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September 17, 2015

Mr. Paul Keenan
Sherman Associates, Inc.
233 Park Avenue, Suite 201
Minneapolis, Minnesota 55415

Via Email: pkeenan@sherman-associates.com

Reference: *Phase II Environmental Site Assessment Report*
 300 South Barclay Avenue
 Milwaukee, Wisconsin

KEY ENGINEERING GROUP, LTD.
File No. 2505019

Dear Mr. Keenan:

The purpose of this letter is to document the results of a *Phase II Environmental Site Assessment (ESA)* conducted at the above-referenced site by Key Engineering Group, Ltd. (KEY). The Phase II ESA was conducted to investigate one of the recognized environmental conditions (RECs) identified in KEY's June 26, 2015 *Phase I Environmental Site Assessment* report. The identified REC was:

1. The small building located along the southern side of the 139 Oregon Street site had previously contained about 30 above ground storage tanks as far back as 1949. There does not appear to be any site investigation activities conducted within this area to identify if impacts are present. This represents a REC.

In order to determine if there was additional risk to obtaining the site closure for the remainder of the subject site, the collection of soil and groundwater data was conducted to evaluate the potential risk and gather information to include in the previous data collected from other areas of the subject site.

INVESTIGATION PROCEDURES

Two soil probes (GP-1 and GP-2) were advanced on the subject site, to depths between 5 to 15 feet below ground surface (bgs) on August 27, 2015. The soil probes were advanced with a direct push drilling unit. A 5-foot long stainless steel sampler with an acetate liner was driven to the desired sampling depth using stainless steel rods. The probes were placed near the 139 Oregon Street building on the southwest side of the site.

KEY had intended to install three soil probes to 15 feet bgs; two probes (GP-1 and GP-3) south of the 139 Oregon Street building in the Oregon Street ROW and one probe north of the structure (GP-2). However, KEY was only able to advance one probe south of the ROW due to the presence of the adjacent rail way and numerous utility lines being located directly south of the building. KEY also encountered a likely unmarked water line while advancing GP-1, which prevented the soil probe from being advance to the intended depth of 15 feet bgs.

Soil samples were classified in the field in accordance with the Unified Soil Classification System (USCS). Each soil sample was also field screened for the presence of volatile organic compounds (VOCs) with a photo-ionization detector (PID).

One soil sample was selected from each probe location and submitted to Pace Analytical Services, Inc. (Pace) for VOC and PAHs. Soil probe and sampling information, soil classification data and field screening results are documented on soil boring logs included in Attachment 2.

Groundwater was encountered during the investigation at the GP-2 location. GP-2 was converted into a temporary groundwater monitoring well (TW-2). Groundwater from TW-2 was collected and submitted to Pace for VOC, PAH and RCRA Metal analysis. TW-2 was abandoned immediately after being sampled.

All soil probe locations were abandoned with bentonite prior to concluding field activities; abandonment forms are included in Attachment 3. The locations of the borings are identified on Figure 2. Figure 1 depicts the site location.

INVESTIGATION RESULTS

GP-1 was advanced to the south of the 139 Oregon Street building, between the sidewalk and street within the right of way for Oregon Street. GP-1 was advanced to a depth of approximately 5 feet bgs. KEY was unable to advance the soil probe further due to encountering an unmarked utility line. Soils encountered at GP-1 consisted of fine sand, likely used as utility trench backfill, to approximately 5 feet bgs. Soil was collected from 3 to 5 feet bgs at GP-1. No VOC or PAH compounds were detected in GP-1.

GP-2 was advanced near the northeast corner of the 139 Oregon Street building. Soils encountered at GP-2 included silty sand and gravel fill material and wood to approximately 13 feet bgs. Soils below 13 feet bgs consisted of silty clay. Groundwater was encountered at approximately 8 feet bgs. Soil samples were collected from 2 to 4 and 6 to 8 feet bgs in GP-2.

Three VOC compounds and three PAH compounds were detected above their respective Protection of Groundwater Residual Contamination Level (RCL) within soil collected from GP-2 at 2 to 4 feet bgs. The VOC compounds included benzene at 0.11mg/kg, naphthalene at 0.74 mg/kg and toluene at 4.0 mg/kg. The PAH compounds included benzo(a)anthracene at 0.43 mg/kg, benzo(a)pyrene at 0.42mg/kg and chrysene at 0.51mg/kg. Benzo(a)pyrene level also exceeded their respective Industrial Direct Contact RCLs.

One VOC compound, trichloroethene (TCE) at 0.31 mg/kg , and three PAHs were detected above their respective Protection of Groundwater RCL within soil collected from GP-2 at 6 to 8 feet bgs. The PAH compounds included benzo(a)anthracene at 0.72 mg/kg, benzo(a)pyrene at 0.83mg/kg and chrysene at 0.87mg/kg.

TW-2 was placed in the borehole of GP-2 located adjacent to the north side of the building. Several VOC and PAH compounds were detected in groundwater collected from TW-2. Benzene at 1.3 ug/L was detected in exceedance of its NR140 Preventative Action Limit (PAL). Three PAH compounds, benzo(a)pyrene at 10ug/L, benzo(b)fluoranthene at 24.9ug/L and chrysene at 22.5 ug/L, were detected at concentrations exceeding their respective PALs. All additional VOC or PAH compounds were detected at levels below applicable groundwater standards. Arsenic at 27.6ug/L and Barium at 64.4ug/L were detected in TW-2. The arsenic level exceeded its PAL. There were no detections of chromium in groundwater and no detection of TCE in groundwater even though the soil concentration exceeded its groundwater pathway.

CONCLUSIONS AND RECOMMENDATIONS

Based upon the soil and groundwater data collected there are additional soil and groundwater impacts adjacent to this former above ground tank building. The data however does not appear to suggest that there is significant issues which will need to be addressed which would not be conducted during the proposed additional site investigation activities recently submitted in a work plan to the WDNR. There was a detection of TCE in soil which is not likely associated with the former tanks. The TCE was not detected in groundwater so this may only be a remnant from the historical operations at the site.

We recommend that the detections encountered be included within the additional site investigation data to be collected and used to delineate the extent and degree of both petroleum and chlorinated compounds in soil and groundwater which have already been reported and investigated at the subject site. There is much difficulty in conducting additional site investigation to the west and south due to site conditions and no accessibility. These issues will be addressed with the WDNR on future activities.

QUALIFICATIONS

This assessment was performed using the degree of care and skill ordinarily exercised under similar circumstances, by environmental consultants practicing in this or similar localities. No other warranty or guarantee, expressed or implied, is made as to the conclusions and recommendations included in this report.

The findings of this assessment, to the best of knowledge, are valid as of the date of this assessment. However, changes in the conditions of a property can occur with the passage of time, whether due to natural processes or the works of man on this or adjacent properties. In addition, changes in applicable or appropriate standards may occur, whether they result from legislation, from the broadening of knowledge or from other reasons. Accordingly, the findings of this assessment may be invalidated wholly or partially by changes outside our control.

Specified information contained in this report has been obtained from publicly available sources and other secondary sources of information produced by entities other than Key Engineering Group, Ltd. Although care has been taken by Key Engineering Group, Ltd., in compiling this information, Key Engineering Group, Ltd., disclaims any and all liability for any errors, omissions or inaccuracies of the third parties in such in disclaims formation and data.

Please feel free to call if you have any questions regarding this Phase II ESA report.

Sincerely,

KEY ENGINEERING GROUP, LTD.



Jason M. Kruchko, LEED GA
Operations Manager



Kenneth W. Wein, CHMM
President

Attachments

Table 1	Summary of Soil Analytical Results
Table 2	Summary of Groundwater Analytical Results
Figure 1	Site Location Map
Figure 2	Site Layout Map
Attachment 1	Soil Boring Logs
Attachment 2	Soil Boring Abandonment Forms
Attachment 3	Pace Analytical Soil and Groundwater Analytical Reports

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Table 1

A.2.

Pre-Remedial Soil Analytical Table

Industrial Bldg. & Land

300 South Barclay

Milwaukee, WI

PARAMETERS	Sample ID			EPA Web Calculator Values	
	GP-1	GP-2	GP-2	Industrial Direct Contact RCL (mg/kg)	Protection of Groundwater RCL (mg/kg)
Date Collected	8/27/2015	8/27/2015	8/27/2015		
Depth (feet bgs)	3-5	2-4	6-8		
Saturated(s)/Unsaturated(u)	U	U	U		
Detected VOCs (mg/kg)					
Benzene	<0.025	0.11	<0.025	7.41	0.0051
Bromobenzene	<0.025	<0.037	<0.025	679	---
Bromochloromethane	<0.025	<0.037	<0.025	976	---
Bromodichloromethane	<0.025	<0.037	<0.025	1.96	0.0003
Bromoform	<0.025	<0.037	<0.025	218	0.0023
Bromomethane	<0.070	<0.10	<0.070	46	0.0051
n-Butylbenzene	<0.025	0.015J	<0.025	108	---
sec-Butylbenzene	<0.025	<0.037	<0.025	145	---
tert-Butylbenzene	<0.025	<0.037	<0.025	183	---
Carbon Tetrachloride	<0.025	<0.037	<0.025	4.25	0.0039
Chlorobenzene	<0.025	<0.037	<0.025	761	---
Chlorethane	<0.067	<0.10	<0.067	---	0.2266
Chloroform	<0.046	<0.069	<0.046	2.13	0.0033
Chloromethane	<0.025	<0.037	<0.025	720	0.0155
2-Chlorotoluene	<0.025	<0.037	<0.025	---	---
4-Chlorotoluene	<0.025	<0.037	<0.025	---	---
1,2-Dibromo-3-chloropropane	<0.091	<0.14	<0.091	0.099	0.0002
Dibromochloromethane	<0.025	<0.037	<0.025	4.4	0.032
1,2-Dibromoethane (EDB)	<0.025	<0.037	<0.025	0.23	---
Dibromomethane	<0.025	<0.037	<0.025	151	---
1,2-Dichlorobenzene	<0.025	<0.037	<0.025	376	1.168
1,3-Dichlorobenzene	<0.025	<0.037	<0.025	297	1.1528
1,4-Dichlorobenzene	<0.025	<0.037	<0.025	17.5	0.144
Dichlorodifluoromethane	<0.025	<0.037	<0.025	571	3.0863
1,1-Dichloroethane	<0.025	<0.037	<0.025	23.7	0.4828
1,2-Dichloroethane	<0.025	<0.037	<0.025	3.03	0.0028
1,1-Dichloroethene	<0.025	<0.037	<0.025	1,190	0.005
cis-1,2-Dichloroethene	<0.025	<0.037	<0.025	2040	0.0412
trans-1,2-Dichloroethene	<0.025	<0.037	<0.025	1670	0.0588
1,2-Dichloropropane	<0.025	<0.037	<0.025	6.62	0.0033
1,3-Dichloropropane	<0.025	<0.037	<0.025	1490	---
2,2-Dichloropropane	<0.025	<0.037	<0.025	527	---
1,1-Dichloropropene	<0.025	<0.037	<0.025	---	---
cis-1,3-Dichloropropene	<0.025	<0.037	<0.025	1220	0.0003
trans-1,3-Dichloropropene	<0.025	<0.037	<0.025	1570	0.0003
Di-isopropyl ether	<0.025	<0.037	<0.025	2260	---
Ethylbenzene	<0.025	0.47	0.051J	37	1.57
Hexachlorobutadiene	<0.025	<0.037	<0.025	22.1	---
Isopropylbenzene	<0.025	0.087J	<0.025	---	---
p-Isopropyltoluene	<0.025	<0.037	<0.025	162	---
Methylene chloride	<0.025	<0.037	<0.025	1070	0.0026
Methyl tert-butyl ether (MTBE)	<0.025	<0.037	<0.025	293	0.027
Naphthalene	<0.040	0.74	<0.040	26	0.6582
n-Propylbenzene	<0.025	0.11	<0.025	---	---
Styrene	<0.025	<0.037	<0.025	867	0.22
1,1,1,2-Tetrachloroethane	<0.025	<0.037	<0.025	12.9	0.0534
1,1,2,2-Tetrachloroethane	<0.025	<0.037	<0.025	3.69	0.0002
Tetrachloroethene	<0.025	<0.037	<0.025	153	0.0045
Toluene	<0.025	4.0	3.1	818	1.1072
1,2,3-Trichlorobenzene	<0.025	<0.037	<0.025	493	---
1,2,4-Trichlorobenzene	<0.048	<0.071	<0.048	98.7	0.408
1,1,1-Trichloroethane	<0.025	<0.037	<0.025	640	0.1402
1,1,2-Trichloroethane	<0.025	<0.037	<0.025	7.34	0.0032
Trichloroethene (TCE)	<0.025	<0.037	0.31	8.81	0.0036
Trichlorofluoromethane	<0.025	<0.037	<0.025	1230	4.4758
1,2,3-Trichloropropane	<0.025	<0.037	<0.025	0.095	0.0519
1,2,4-Trimethylbenzene	<0.025	0.40	<0.025	219	---
1,3,5-Trimethylbenzene	<0.025	0.10J	<0.025	182	---
Trimethylbenzenes	<0.025	0.50J	<0.025	---	1.3821
Vinyl Chloride	<0.025	<0.037	0.21J	2.03	0.0001
m&p-Xylene	<0.050	2.4	0.21J	---	---
o-Xylene	<0.025	1.2	0.078J	---	---
Xylenes	<0.075	3.6	0.288J	258	3.94
Detected PAHs (mg/kg)					
Acenaphthene	<0.0091	0.030J	<0.030	33,000	---
Acenaphthylene	<0.0081	0.030J	0.085	---	---
Anthracene	<0.0094	0.14	0.17	100,000	197.7273
Benzo(a)anthracene	<0.0063	0.43	0.72	2.11	---
Benzo(a)pyrene	<0.0065	0.42	0.83	0.211	0.470
Benzo(b)fluoranthene	<0.0091	0.41	0.85	2.11	0.4793
Benzo(g,h,i)perylene	<0.0069	0.17	0.40	---	---
Benzo(k)fluoranthene	<0.010	0.49	0.80	21.1	---
Chrysene	<0.0084	0.51	0.87	211	0.1446
Dibenzo(a,h)anthracene	<0.0067	0.077	0.16	0.211	---
Fluoranthene	<0.0091	0.76	1.1	22,000	88.8778
Fluorene	<0.0091	0.028J	<0.030	22,000	14.8027
Indeno(1,2,3-cd)pyrene	<0.0069	0.17	0.38	2.11	---
1-methyl naphthalene	<0.0091	0.26	0.15	53.1	---
2-methyl naphthalene	<0.0091	0.31	0.18	2,200	---
Naphthalene	<0.0091	0.21	0.16	26	0.6582
Phenanthrene	<0.0091	0.57	0.42	---	---
Pyrene	<0.0091	0.68	1.0	16,500	54.1322

Notes:

Bold values exceed protection of groundwater RCL

Boxed values exceed direct contact RCL

--- - not analyzed or no standard established

J - Results between laboratory limit of detection and limit of quantification

bgs - below ground surface

mg/kg - milligrams per kilogram

PAHs - polynuclear aromatic hydrocarbons

VOCs - volatile organic compounds

< - Below Laboratory Detection Limits

Table 2

TABLE A1

GROUNDWATER ANALYTICAL TABLE

Industrial Bldg. & Land
 300 South Barley
 Milwaukee, WI

PARAMETERS		NR 140	
	TW-2	ES	PAL
Date Collected	8/27/2015	---	---
Detected VOCs (µg/l)			
Acetone	---	9000	1800
Benzene	1.3	5	0.5
Bromobenzene	<0.23	---	---
Bromoform	<0.34	---	---
Bromochloromethane	<0.50	0.6	0.06
Bromodichloromethane	<0.50	4.4	0.44
Bromoform	<2.4	10	1
n-Butylbenzene	<0.50	---	---
sec-Butylbenzene	<2.2	---	---
tert-Butylbenzene	<0.18	---	---
Carbon tetrachloride	<0.50	5	0.5
Chlorobenzene	<0.50	---	---
Chloroethane	<0.37	400	80
Chloroform	<2.5	6	0.6
Chloromethane	<0.50	30	3
2-Chlorotoluene	<0.50	---	---
4-Chlorotoluene	<0.21	---	---
1,2-Dibromo-3-chloropropane	<2.2	0.2	0.02
Dibromochloromethane	<0.50	60	6
1,2-Dibromoethane	<0.18	0.05	0.005
Dibromomethane	<0.43	---	---
1,2,-Dichlorobenzene	<0.50	600	60
1,3,-Dichlorobenzene	<0.50	600	120
1,4,-Dichlorobenzene	<0.50	75	15
Dichlorodifluoromethane	<0.22	1000	200
1,1-Dichloroethane	<0.24	850	85
1,2-Dichloroethane	<0.17	5	0.5
1,1-Dichloroethene	<0.41	7	0.7
cis-1,2,-Dichloroethene	<0.26	70	7
trans-1,2-Dichloroethene	<0.26	100	20
1,2-Dichloropropane	<0.23	5	0.5
1,3-Dichloropropane	<0.50	---	---
2,2 Dichloropropane	<0.48	---	---
1,1-Dichloropropene	<0.44	---	---
cis-1,3-Dichloropropene	<0.50	0.4	0.04
trans-1,3 Dichloropropene	<0.23	0.4	0.04
Diisopropyl ether	<0.50	---	---
Ethylbenzene	0.96J	700	140
Hexachloro-1,3-butadiene	<2.1	---	---
Isopropylbenzene	1.3	---	---
p-Isopropyltoluene	6.5	---	---
Methylene Chloride	<0.23	5	0.5
Methyl-tert-butyl ether	<0.17	60	12
Naphthalene	<2.5	100	10
n-Propylbenzene	<0.50	---	---
Styrene	<0.50	100	10
1,1,1,2-Tetrachloroethane	<0.18	70	7
1,1,2,2-Tetrachloroethane	<0.25	0.2	0.02
Tetrachloroethene	<0.50	5	0.5
Toluene	23.1	800	160
1,2,3-Trichlorobenzene	<2.1	---	---
1,2,4-Trichlorobenzene	<2.2	70	14
1,1,1-Trichloroethane	<0.50	200	40
1,1,2-Trichloroethane	<0.20	5	0.5
Trichloroethene	<0.33	5	0.5
Trichlorofluoromethane	<0.18	3,490	698
1,2,3-Trichloropropane	<0.50	60	12
1,2,4-Trimethylbenzene	<0.50	---	---
1,3,5-Trimethylbenzene	<0.50	--	---
Trimethylbenzenes	<0.18	480	96
Vinyl chloride	<0.18	0.2	0.02
o/m&p-Xylene	9.71J	2,000	400
PAHs (µg/l)			
Acenaphthene	2.0	---	---
Acenaphthylene	2.1	---	---
Anthracene	6.9	3,000	600
Benzo(a)anthracene	19.1	---	---
Benzo(a)pyrene	20	0.2	0.02
Benzo(b)fluoranthene	24.9	0.2	0.02
Benzo(g,h,i)perylene	11.30	---	---
Benzo(k)fluoranthene	10.1	---	---
Chrysene	22.5	0.2	0.02
Dibenzo(a,h)anthracene	2.5	---	---
Fluoranthrene	51.7	400	80
Fluorene	2.5	400	80
Indeno(1,2,3-cd)pyrene	9.9	---	---
1-Methyl Naphthalene	1.7	---	---
2-Methyl Naphthalene	1.7	---	---
Naphthalene	1.7	100	10
Phenanthrene	28.5	---	---
Pyrene	29.6	250	50
RCRA Metals (ug/l)			
Arsenic	27.6	10	1
Barium	64.4	2,000	400
Cadmium	<0.60	5	0.5
Total Chromium	<2.1	100	10
Lead	<3.0	15	1.5
Mercury	<0.10	2	0.2
Selenium	<6.7	50	10
Silver	<2.7	50	10

Special Instructions:

Bold for ES exceedance
Italics for PAL exceedance
 Do not shade or highlight
 Include detection levels
 Include all information collected by prior consultants
 Do not submit lab data sheets which were previously submitted to WDNR
 Include this table as a separate pdf
 Include all data on tables, hide rows that are all no detect

Notes:

Bold concentrations exceed NR 140 ES

Italicized concentrations exceed NR 140 PAL

--- - not analyzed, not applicable or no standard established

ES - enforcement standard

J - Results between the limit of detection and limit of quantitation

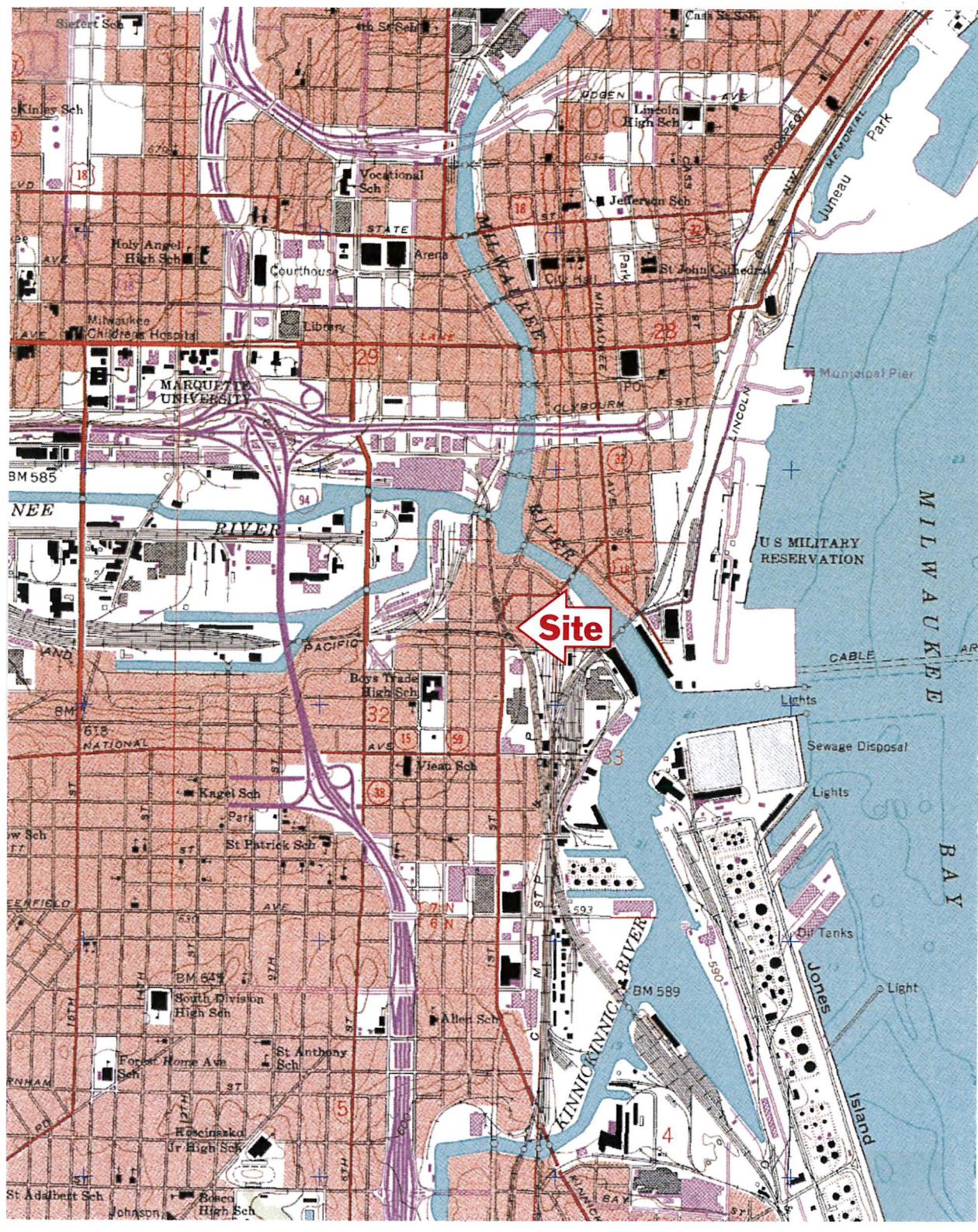
PAHs - polynuclear aromatic hydrocarbons

PAL - preventive action limit

µg/l - micrograms per liter

VOCs - volatile organic compounds

Figure 1



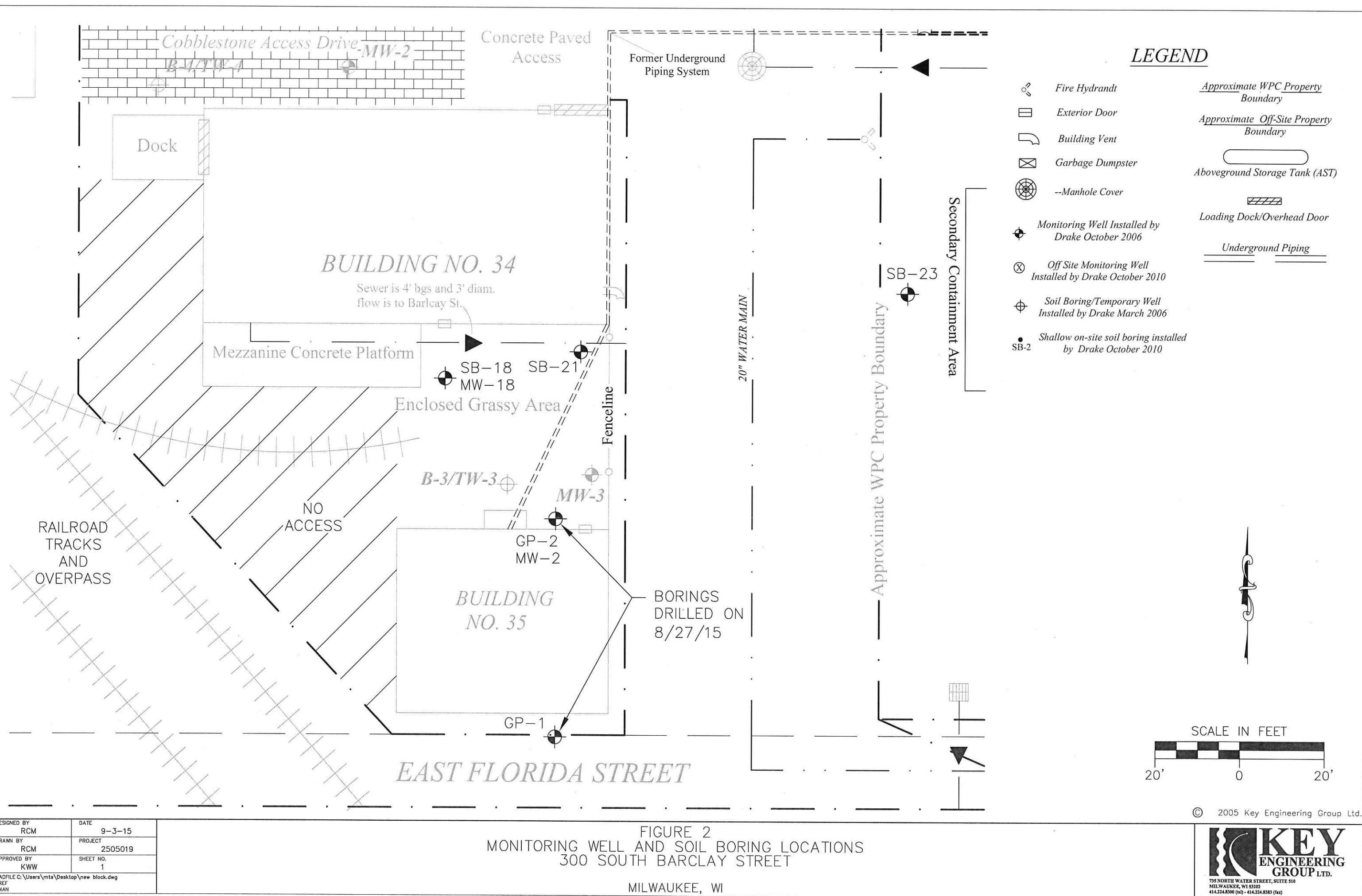
QUAD

Location: Milwaukee, WI	Map Year: 1983
Series: 7.5'	Date: 6/24/15
Project: 2505019	Scale: 1:24000

FIGURE 1
SITE LOCATION MAP
INDUSTRIAL BUILDING AND LAND
300 SOUTH BARCLAY STREET &
139 EAST OREGON STREET
MILWAUKEE, WISCONSIN



Figure 2



Attachment I

MILWAUKEE • WASHINGTON, D.C.
www.keyengineering.com

Route To: Watershed/Wastewater Waste Management
Remediation/Development Other

Page 1 of 1

Facility/Project Name <i>300 Barclay</i>			License/Permit/Monitoring Number		Boring Number <i>GP-1</i>											
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <i>Dan</i> Last Name: <i>fischer</i> Firm: <i>Horizon</i>			Date Drilling Started <i>08/27/2015</i>	Date Drilling Completed <i>08/27/2015</i>	Drilling Method <i>Direct Push</i>											
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 4 inches											
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E <i>SE 1/4 of NE 1/4 of Section 32, T 7 N, R 22 E</i>			Lat <i>0° 0' 0"</i>	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> S	Long <i>0° 0' 0"</i> <input type="checkbox"/> E <input type="checkbox"/> W											
Facility ID <i>241029470</i>	County <i>Milwaukee</i>	County Code <i>40</i>	Civil Town/City or Village <i>Milwaukee</i>													
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit			U SCS	Graphic Log	Well Diagram	PID/FID	Soil Properties			RQD/ Comments		
1	<i>26 60</i>			<i>Top soil silty CLAY</i>						<i><1</i>		Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200
				<i>Fine brown SAND - utility backfill</i>						<i><1</i>						
				<i>End of boring at 5' bgs. Refusal due to possible water line.</i>						<i><1</i>						

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

JM MCC

Firm

KEY ENGINEERING

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed/Wastewater Waste Management
Remediation/Development Other

Page 1 of 1

Facility/Project Name <u>300 Barclay</u>			License/Permit/Monitoring Number		Boring Number <u>GP-2 / TW-2</u>				
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <u>Dan</u> Last Name: <u>fischer</u> Firm: <u>Horizon</u>			Date Drilling Started <u>08/27/2015</u> <u>mm dd yy</u>	Date Drilling Completed <u>08/27/2015</u> <u>mm dd yy</u>	Drilling Method <u>Direct Push</u>				
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level ____ Feet MSL	Surface Elevation ____ Feet MSL	Borehole Diameter <u>4</u> inches				
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input type="checkbox"/> State Plane _____ N, _____ E <u>SE 1/4 of NE 1/4 of Section 32, T 7 N, R 22 E</u>			Lat <u>0° 0' 0"</u>	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E Long <u>0° 0' 0"</u> <input type="checkbox"/> S <u>Feet</u> <input type="checkbox"/> W					
Facility ID <u>241029470</u>	County <u>Milwaukee</u>	County Code <u>40</u>	Civil Town/City/ or Village <u>Milwaukee</u>						
Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit				P 200	RQD/ Comments
				U S C S	Graphic Log	Well Diagram	PID/FID		
1	<u>19</u> <u>60</u>		<u>5</u>	Gravel Dark brown Silty, Sandy Clay FILL ↓ wood fragments			<1 <1 <1 <1		* 2-4
2	<u>22</u> <u>60</u>		<u>10</u>	wood fragments --- wet ---			<1		* 6-8
3	<u>60</u> <u>60</u>		<u>15</u>	Gray silty CLAY END OF BORING at 15' bgs					

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature JMCC Firm KEY ENGINEERING

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Attachment 2

MILWAUKEE • WASHINGTON, D.C.
www.keyengineering.com

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other:

1. General Information

WI Unique Well No.	DNR Well ID No.	County <i>Milwaukee</i>	Facility Name <i>300 Barclay</i>
Common Well Name <i>GP-1</i>		Gov't Lot # (if applicable)	Facility ID
1/4 / 1/4	1/4	Section	Township Range N <input type="checkbox"/> E <input checked="" type="checkbox"/> W
Well Location ft. / M	(Local Grid <input type="checkbox"/>)	Datum	Street Address of Well <i>139 Oregon St</i>
		N / S E / W	City, Village or Town <i>Milwaukee</i>
WTM- <input type="checkbox"/>	UTM- <input type="checkbox"/>	Latitude/Longitude- <input type="checkbox"/>	State Plane- <input type="checkbox"/> S C N
Local Grid Origin ft. / M	Datum	Present Well Owner Original Well Owner	
		Street Address or Route of Present Owner	
WTM- <input type="checkbox"/>	UTM- <input type="checkbox"/>	Latitude/Longitude- <input type="checkbox"/>	State ZIP Code
Reason For Abandonment		WI Unique Well No. of Replacement Well	

3. Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well	Original Construction Date		
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.		
<input checked="" type="checkbox"/> Borehole / Drillhole			
Construction Type:	<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): <i>Direct Push</i>		
Formation Type:	<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	
Total Well Depth From Groundsurface (ft.) <i>5</i>	Casing Diameter (in.)		
Lower Drillhole Diameter (in.) <i>2</i>	Casing Depth (ft.)		
Was well annular space grouted?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Unknown
If yes, to what depth (feet)?	Depth to Water (feet) <i>NA</i>		

Required Method of Placing Sealing Material	
<input checked="" type="checkbox"/> Conductor Pipe-Gravity	<input type="checkbox"/> Conductor Pipe-Pumped
<input type="checkbox"/> Screened & Poured (Bentonite Chips)	<input type="checkbox"/> Other (Explain): _____
Sealing Materials	
<input type="checkbox"/> Neat Cement Grout	<input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)
<input type="checkbox"/> Sand-Cement (Concrete) Grout	<input type="checkbox"/> Bentonite-Sand Slurry " "
<input type="checkbox"/> Concrete	<input checked="" type="checkbox"/> Bentonite Chips
For Monitoring Wells and Monitoring Well Boreholes Only:	
<input type="checkbox"/> Bentonite Chips	<input type="checkbox"/> Bentonite - Cement Grout
<input type="checkbox"/> Granular Bentonite	<input type="checkbox"/> Bentonite - Sand Slurry

5. Material Used To Fill Well / Drillhole

<i>3/8" chipped Bentonite</i>	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
	Surface	<i>5</i>	<i>10 lbs</i>	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <i>Key Engineering</i>	Date of Abandonment	Date Received	Noted By
Street or Route <i>735 N. Water St</i>	Telephone Number <i>(44) 224-8333</i>	Comments	
City <i>Milwaukee</i>	State <i>WI</i>	ZIP Code <i>53132</i>	Signature of Person Doing Work <i>J.C.</i>
			Date Signed <i>9/11/15</i>

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return to the appropriate DNR office and bureau. See instructions on reverse for more information.

Route to:

Drinking Water Watershed/Wastewater Waste Management Remediation/Redevelopment Other: _____

1. General Information

WI Unique Well No.	DNR Well ID No.	County <i>Milwaukee</i>	Facility Name <i>300 Barclay</i>
Common Well Name <i>G8-2</i>		Gov't Lot # (if applicable)	Facility ID License/Permit/Monitoring No.
$\frac{1}{4}$ / $\frac{1}{4}$	$\frac{1}{4}$	Section N	Range <input type="checkbox"/> E <input checked="" type="checkbox"/> W Street Address of Well <i>139 Oregon St</i>
Well Location ft. / M (Local Grid <input type="checkbox"/>)		Datum <i>N / S E / W</i>	
		Zone <i>S C N</i>	
WTM- <input type="checkbox"/> UTM- <input type="checkbox"/> Latitude/Longitude- <input type="checkbox"/>		State Plane- <input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> N	
Local Grid Origin ft. / M		Datum <i>E / W</i>	
		Zone <i>S C N</i>	
WTM- <input type="checkbox"/> UTM- <input type="checkbox"/> Latitude/Longitude- <input type="checkbox"/>		State Plane- <input type="checkbox"/> S <input type="checkbox"/> C <input type="checkbox"/> N	
Reason For Abandonment		WI Unique Well No. of Replacement Well	

3. Well / Drillhole / Borehole Information

<input type="checkbox"/> Monitoring Well	Original Construction Date	
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	
<input checked="" type="checkbox"/> Borehole / Drillhole		

Construction Type:

Drilled Driven (Sandpoint) Dug
 Other (specify): *Direct Push*

Formation Type:

Unconsolidated Formation Bedrock

Total Well Depth From Groundsurface (ft.) Casing Diameter (in.)

15

2

Lower Drillhole Diameter (in.)

2

Casing Depth (ft.)

8

Was well annular space grouted? Yes No Unknown

If yes, to what depth (feet)?

Depth to Water (feet)

8

5. Material Used To Fill Well / Drillhole

<i>3/8" Chipped Bentonite</i>	From (ft.)	To (ft.)	No. Yards, Sacks Sealant or Volume (circle one)	Mix Ratio or Mud Weight
	Surface	<i>15</i>	<i>20 lbs</i>	

6. Comments

7. Supervision of Work

Name of Person or Firm Doing Sealing Work <i>Key Engineering</i>	Date of Abandonment	Date Received	Noted By
Street or Route <i>735 N Water St</i>	Telephone Number <i>(414) 244-8200</i>	Comments	

City <i>Milwaukee</i>	State <i>WI</i>	ZIP Code <i>53202</i>	Signature of Person Doing Work <i>E. J. Ulrich</i>	Date Signed <i>9/4/15</i>
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Attachment 3

MILWAUKEE • WASHINGTON, D.C.
www.keyengineering.com

September 09, 2015

Jason Kruchko
KEY ENGINEERING GROUP, LTD.
735 North Water St.
Milwaukee, WI 53202

RE: Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Dear Jason Kruchko:

Enclosed are the analytical results for sample(s) received by the laboratory on August 29, 2015. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Dan Milewsky
dan.milewsky@pacelabs.com
Project Manager

Enclosures

cc: Valerie Collins, Key Engineering Group, LTD.
Cassie Haupt, KEY ENGINEERING GROUP, LTD.



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Green Bay Certification IDs

1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334

North Dakota Certification #: R-150
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
US Dept of Agriculture #: S-76505
Wisconsin Certification #: 405132750

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40120346001	GP-1, 3-5	Solid	08/27/15 11:20	08/29/15 07:35
40120346002	GP-2, 2-4	Solid	08/27/15 10:30	08/29/15 07:35
40120346003	GP-2, 6-8	Solid	08/27/15 10:40	08/29/15 07:35
40120346004	TW-2	Water	08/27/15 12:05	08/29/15 07:35
40120346005	TRIP BLANK	Water	08/27/15 00:00	08/29/15 07:35

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Lab ID	Sample ID	Method	Analysts	Analytes Reported
40120346001	GP-1, 3-5	EPA 8270 by SIM	RJN	20
		EPA 8260	SMT	64
		ASTM D2974-87	SKW	1
40120346002	GP-2, 2-4	EPA 8270 by SIM	RJN	20
		EPA 8260	SMT	64
		ASTM D2974-87	SKW	1
40120346003	GP-2, 6-8	EPA 8270 by SIM	RJN	20
		EPA 8260	SMT	64
		ASTM D2974-87	SKW	1
40120346004	TW-2	EPA 6010	DLB	7
		EPA 7470	AJT	1
		EPA 8270 by HVI	TPO	20
40120346005	TRIP BLANK	EPA 8260	HNW	64
		EPA 8260	HNW	64

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Lab Sample ID	Client Sample ID						
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers	
40120346001	GP-1, 3-5						
ASTM D2974-87	Percent Moisture	8.4	%	0.10	08/31/15 13:27		
40120346002	GP-2, 2-4						
EPA 8270 by SIM	Acenaphthene	0.030J	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Acenaphthylene	0.030J	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Anthracene	0.14	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Benzo(a)anthracene	0.43	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Benzo(a)pyrene	0.42	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Benzo(b)fluoranthene	0.41	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.17	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Benzo(k)fluoranthene	0.49	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Chrysene	0.51	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.077	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Fluoranthene	0.76	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Fluorene	0.028J	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.17	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	1-Methylnaphthalene	0.26	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	2-Methylnaphthalene	0.31	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Naphthalene	0.21	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Phenanthrene	0.57	mg/kg	0.040	09/08/15 18:55		
EPA 8270 by SIM	Pyrene	0.68	mg/kg	0.040	09/08/15 18:55		
EPA 8260	Benzene	0.11	mg/kg	0.11	09/02/15 03:30		
EPA 8260	n-Butylbenzene	0.051J	mg/kg	0.11	09/02/15 03:30		
EPA 8260	Ethylbenzene	0.47	mg/kg	0.11	09/02/15 03:30		
EPA 8260	Isopropylbenzene (Cumene)	0.087J	mg/kg	0.11	09/02/15 03:30		
EPA 8260	Naphthalene	0.74	mg/kg	0.45	09/02/15 03:30		
EPA 8260	n-Propylbenzene	0.11	mg/kg	0.11	09/02/15 03:30		
EPA 8260	Toluene	4.0	mg/kg	0.11	09/02/15 03:30		
EPA 8260	1,2,4-Trimethylbenzene	0.40	mg/kg	0.11	09/02/15 03:30		
EPA 8260	1,3,5-Trimethylbenzene	0.10J	mg/kg	0.11	09/02/15 03:30		
EPA 8260	m&p-Xylene	2.4	mg/kg	0.21	09/02/15 03:30		
EPA 8260	o-Xylene	1.2	mg/kg	0.11	09/02/15 03:30		
ASTM D2974-87	Percent Moisture	16.5	%	0.10	08/31/15 13:27		
40120346003	GP-2, 6-8						
EPA 8270 by SIM	Acenaphthylene	0.085	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Anthracene	0.17	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Benzo(a)anthracene	0.72	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Benzo(a)pyrene	0.83	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Benzo(b)fluoranthene	0.85	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Benzo(g,h,i)perylene	0.40	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Benzo(k)fluoranthene	0.80	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Chrysene	0.87	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Dibenz(a,h)anthracene	0.16	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Fluoranthene	1.1	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Indeno(1,2,3-cd)pyrene	0.38	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	1-Methylnaphthalene	0.15	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	2-Methylnaphthalene	0.18	mg/kg	0.060	09/08/15 19:12		

REPORT OF LABORATORY ANALYSIS

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SUMMARY OF DETECTION

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

Lab Sample ID	Client Sample ID						
Method	Parameters	Result	Units	Report Limit	Analyzed	Qualifiers	
40120346003	GP-2, 6-8						
EPA 8270 by SIM	Naphthalene	0.16	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Phenanthrene	0.42	mg/kg	0.060	09/08/15 19:12		
EPA 8270 by SIM	Pyrene	1.0	mg/kg	0.060	09/08/15 19:12		
EPA 8260	Ethylbenzene	0.051J	mg/kg	0.11	09/02/15 02:22		
EPA 8260	Toluene	3.1	mg/kg	0.11	09/02/15 02:22		
EPA 8260	Trichloroethene	0.31	mg/kg	0.11	09/02/15 02:22		
EPA 8260	m&p-Xylene	0.21J	mg/kg	0.22	09/02/15 02:22		
EPA 8260	o-Xylene	0.078J	mg/kg	0.11	09/02/15 02:22		
ASTM D2974-87	Percent Moisture	44.5	%	0.10	08/31/15 13:27		
40120346004	TW-2						
EPA 6010	Arsenic, Dissolved	27.6	ug/L	20.0	09/08/15 11:51		
EPA 6010	Barium, Dissolved	64.4	ug/L	5.0	09/08/15 11:51		
EPA 8270 by HVI	Acenaphthene	2.0	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Acenaphthylene	2.1	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Anthracene	6.9	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Benzo(a)anthracene	19.1	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Benzo(a)pyrene	20.0	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Benzo(b)fluoranthene	24.9	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Benzo(g,h,i)perylene	11.3	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Benzo(k)fluoranthene	10.1	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Chrysene	22.5	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Dibenz(a,h)anthracene	2.5	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Fluoranthene	51.7	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Fluorene	2.5	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Indeno(1,2,3-cd)pyrene	9.9	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	1-Methylnaphthalene	1.7	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	2-Methylnaphthalene	1.7	ug/L	0.24	09/04/15 11:14	B	
EPA 8270 by HVI	Naphthalene	1.7	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Phenanthrene	28.5	ug/L	0.24	09/04/15 11:14		
EPA 8270 by HVI	Pyrene	29.6	ug/L	0.24	09/04/15 11:14		
EPA 8260	Benzene	1.3	ug/L	1.0	09/01/15 18:07		
EPA 8260	Ethylbenzene	0.96J	ug/L	1.0	09/01/15 18:07		
EPA 8260	Isopropylbenzene (Cumene)	1.3	ug/L	1.0	09/01/15 18:07		
EPA 8260	p-Isopropyltoluene	6.5	ug/L	1.0	09/01/15 18:07		
EPA 8260	Toluene	23.1	ug/L	1.0	09/01/15 18:07		
EPA 8260	m&p-Xylene	9.0	ug/L	2.0	09/01/15 18:07		
EPA 8260	o-Xylene	0.71J	ug/L	1.0	09/01/15 18:07		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

Sample: GP-1, 3-5 Lab ID: 40120346001 Collected: 08/27/15 11:20 Received: 08/29/15 07:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	<0.0091	mg/kg	0.018	0.0091	1	09/08/15 09:45	09/08/15 16:36	83-32-9	
Acenaphthylene	<0.0081	mg/kg	0.018	0.0081	1	09/08/15 09:45	09/08/15 16:36	208-96-8	
Anthracene	<0.0094	mg/kg	0.018	0.0094	1	09/08/15 09:45	09/08/15 16:36	120-12-7	
Benzo(a)anthracene	<0.0063	mg/kg	0.018	0.0063	1	09/08/15 09:45	09/08/15 16:36	56-55-3	
Benzo(a)pyrene	<0.0065	mg/kg	0.018	0.0065	1	09/08/15 09:45	09/08/15 16:36	50-32-8	
Benzo(b)fluoranthene	<0.0091	mg/kg	0.018	0.0091	1	09/08/15 09:45	09/08/15 16:36	205-99-2	
Benzo(g,h,i)perylene	<0.0069	mg/kg	0.018	0.0069	1	09/08/15 09:45	09/08/15 16:36	191-24-2	
Benzo(k)fluoranthene	<0.010	mg/kg	0.018	0.010	1	09/08/15 09:45	09/08/15 16:36	207-08-9	
Chrysene	<0.0084	mg/kg	0.018	0.0084	1	09/08/15 09:45	09/08/15 16:36	218-01-9	
Dibenz(a,h)anthracene	<0.0067	mg/kg	0.018	0.0067	1	09/08/15 09:45	09/08/15 16:36	53-70-3	
Fluoranthene	<0.0091	mg/kg	0.018	0.0091	1	09/08/15 09:45	09/08/15 16:36	206-44-0	
Fluorene	<0.0091	mg/kg	0.018	0.0091	1	09/08/15 09:45	09/08/15 16:36	86-73-7	
Indeno(1,2,3-cd)pyrene	<0.0069	mg/kg	0.018	0.0069	1	09/08/15 09:45	09/08/15 16:36	193-39-5	
1-Methylnaphthalene	<0.0091	mg/kg	0.018	0.0091	1	09/08/15 09:45	09/08/15 16:36	90-12-0	
2-Methylnaphthalene	<0.0091	mg/kg	0.018	0.0091	1	09/08/15 09:45	09/08/15 16:36	91-57-6	
Naphthalene	<0.0091	mg/kg	0.018	0.0091	1	09/08/15 09:45	09/08/15 16:36	91-20-3	
Phenanthrene	<0.0091	mg/kg	0.018	0.0091	1	09/08/15 09:45	09/08/15 16:36	85-01-8	
Pyrene	<0.0091	mg/kg	0.018	0.0091	1	09/08/15 09:45	09/08/15 16:36	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	53	%	39-130		1	09/08/15 09:45	09/08/15 16:36	321-60-8	
Terphenyl-d14 (S)	57	%	37-130		1	09/08/15 09:45	09/08/15 16:36	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	108-86-1	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	74-97-5	W
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	75-27-4	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	75-25-2	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	74-83-9	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	09/01/15 12:15	09/02/15 02:00	104-51-8	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	135-98-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	98-06-6	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	56-23-5	W
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	108-90-7	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	75-00-3	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	09/01/15 12:15	09/02/15 02:00	67-66-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	09/01/15 12:15	09/02/15 02:00	74-87-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	95-49-8	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	106-43-4	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	96-12-8	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	09/01/15 12:15	09/02/15 02:00	124-48-1	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	541-73-1	W

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

Sample: GP-1, 3-5 Lab ID: 40120346001 Collected: 08/27/15 11:20 Received: 08/29/15 07:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	142-28-9	W
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	108-20-3	W
Ethylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	100-41-4	W
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	09/01/15 12:15	09/02/15 02:00	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	79-34-5	W
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	127-18-4	W
Toluene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	108-88-3	W
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	09/01/15 12:15	09/02/15 02:00	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	79-00-5	W
Trichloroethene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	79-01-6	W
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	75-01-4	W
m&p-Xylene	<0.050	mg/kg	0.12	0.050	1	09/01/15 12:15	09/02/15 02:00	179601-23-1	W
o-Xylene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:00	95-47-6	W
Surrogates									
Dibromofluoromethane (S)	117	%	49-157		1	09/01/15 12:15	09/02/15 02:00	1868-53-7	
Toluene-d8 (S)	116	%	61-148		1	09/01/15 12:15	09/02/15 02:00	2037-26-5	
4-Bromofluorobenzene (S)	103	%	53-134		1	09/01/15 12:15	09/02/15 02:00	460-00-4	

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Sample: GP-1, 3-5 Lab ID: 40120346001 Collected: 08/27/15 11:20 Received: 08/29/15 07:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	8.4	%	0.10	0.10	1		08/31/15 13:27		

Sample: GP-2, 2-4 Lab ID: 40120346002 Collected: 08/27/15 10:30 Received: 08/29/15 07:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	0.030J	mg/kg	0.040	0.020	2	09/08/15 09:45	09/08/15 18:55	83-32-9	
Acenaphthylene	0.030J	mg/kg	0.040	0.018	2	09/08/15 09:45	09/08/15 18:55	208-96-8	
Anthracene	0.14	mg/kg	0.040	0.021	2	09/08/15 09:45	09/08/15 18:55	120-12-7	
Benzo(a)anthracene	0.43	mg/kg	0.040	0.014	2	09/08/15 09:45	09/08/15 18:55	56-55-3	
Benzo(a)pyrene	0.42	mg/kg	0.040	0.014	2	09/08/15 09:45	09/08/15 18:55	50-32-8	
Benzo(b)fluoranthene	0.41	mg/kg	0.040	0.020	2	09/08/15 09:45	09/08/15 18:55	205-99-2	
Benzo(g,h,i)perylene	0.17	mg/kg	0.040	0.015	2	09/08/15 09:45	09/08/15 18:55	191-24-2	
Benzo(k)fluoranthene	0.49	mg/kg	0.040	0.022	2	09/08/15 09:45	09/08/15 18:55	207-08-9	
Chrysene	0.51	mg/kg	0.040	0.018	2	09/08/15 09:45	09/08/15 18:55	218-01-9	
Dibenz(a,h)anthracene	0.077	mg/kg	0.040	0.015	2	09/08/15 09:45	09/08/15 18:55	53-70-3	
Fluoranthene	0.76	mg/kg	0.040	0.020	2	09/08/15 09:45	09/08/15 18:55	206-44-0	
Fluorene	0.028J	mg/kg	0.040	0.020	2	09/08/15 09:45	09/08/15 18:55	86-73-7	
Indeno(1,2,3-cd)pyrene	0.17	mg/kg	0.040	0.015	2	09/08/15 09:45	09/08/15 18:55	193-39-5	
1-Methylnaphthalene	0.26	mg/kg	0.040	0.020	2	09/08/15 09:45	09/08/15 18:55	90-12-0	
2-Methylnaphthalene	0.31	mg/kg	0.040	0.020	2	09/08/15 09:45	09/08/15 18:55	91-57-6	
Naphthalene	0.21	mg/kg	0.040	0.020	2	09/08/15 09:45	09/08/15 18:55	91-20-3	
Phenanthrene	0.57	mg/kg	0.040	0.020	2	09/08/15 09:45	09/08/15 18:55	85-01-8	
Pyrene	0.68	mg/kg	0.040	0.020	2	09/08/15 09:45	09/08/15 18:55	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	39-130		2	09/08/15 09:45	09/08/15 18:55	321-60-8	
Terphenyl-d14 (S)	58	%	37-130		2	09/08/15 09:45	09/08/15 18:55	1718-51-0	

8260 MSV Med Level Normal List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Benzene	0.11	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 03:30	71-43-2	
Bromobenzene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	108-86-1	W
Bromochloromethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	74-97-5	W
Bromodichloromethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	75-27-4	W
Bromoform	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	75-25-2	W
Bromomethane	<0.10	mg/kg	0.37	0.10	1	09/01/15 12:15	09/02/15 03:30	74-83-9	W
n-Butylbenzene	0.051J	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 03:30	104-51-8	
sec-Butylbenzene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	135-98-8	W
tert-Butylbenzene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	98-06-6	W
Carbon tetrachloride	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	56-23-5	W
Chlorobenzene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	108-90-7	W
Chloroethane	<0.10	mg/kg	0.37	0.10	1	09/01/15 12:15	09/02/15 03:30	75-00-3	W

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

Sample: GP-2, 2-4 Lab ID: 40120346002 Collected: 08/27/15 10:30 Received: 08/29/15 07:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List		Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B							
Chloroform	<0.069	mg/kg	0.37	0.069	1	09/01/15 12:15	09/02/15 03:30	67-66-3	W
Chloromethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	74-87-3	W
2-Chlorotoluene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	95-49-8	W
4-Chlorotoluene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.14	mg/kg	0.37	0.14	1	09/01/15 12:15	09/02/15 03:30	96-12-8	W
Dibromochloromethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	124-48-1	W
1,2-Dibromoethane (EDB)	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	106-93-4	W
Dibromomethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	74-95-3	W
1,2-Dichlorobenzene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	95-50-1	W
1,3-Dichlorobenzene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	541-73-1	W
1,4-Dichlorobenzene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	106-46-7	W
Dichlorodifluoromethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	75-71-8	W
1,1-Dichloroethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	75-34-3	W
1,2-Dichloroethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	107-06-2	W
1,1-Dichloroethene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	75-35-4	W
cis-1,2-Dichloroethene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	156-59-2	W
trans-1,2-Dichloroethene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	156-60-5	W
1,2-Dichloropropane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	78-87-5	W
1,3-Dichloropropane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	142-28-9	W
2,2-Dichloropropane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	594-20-7	W
1,1-Dichloropropene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	563-58-6	W
cis-1,3-Dichloropropene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	10061-01-5	W
trans-1,3-Dichloropropene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	10061-02-6	W
Diisopropyl ether	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	108-20-3	W
Ethylbenzene	0.47	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 03:30	100-41-4	
Hexachloro-1,3-butadiene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	87-68-3	W
Isopropylbenzene (Cumene)	0.087J	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 03:30	98-82-8	
p-Isopropyltoluene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	99-87-6	W
Methylene Chloride	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	75-09-2	W
Methyl-tert-butyl ether	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	1634-04-4	W
Naphthalene	0.74	mg/kg	0.45	0.072	1	09/01/15 12:15	09/02/15 03:30	91-20-3	
n-Propylbenzene	0.11	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 03:30	103-65-1	
Styrene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	79-34-5	W
Tetrachloroethene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	127-18-4	W
Toluene	4.0	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 03:30	108-88-3	
1,2,3-Trichlorobenzene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	87-61-6	W
1,2,4-Trichlorobenzene	<0.071	mg/kg	0.37	0.071	1	09/01/15 12:15	09/02/15 03:30	120-82-1	W
1,1,1-Trichloroethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	71-55-6	W
1,1,2-Trichloroethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	79-00-5	W
Trichloroethene	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	79-01-6	W
Trichlorofluoromethane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	75-69-4	W
1,2,3-Trichloropropane	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	96-18-4	W
1,2,4-Trimethylbenzene	0.40	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 03:30	95-63-6	

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Sample: GP-2, 2-4 Lab ID: 40120346002 Collected: 08/27/15 10:30 Received: 08/29/15 07:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
1,3,5-Trimethylbenzene	0.10J	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 03:30	108-67-8	
Vinyl chloride	<0.037	mg/kg	0.090	0.037	1	09/01/15 12:15	09/02/15 03:30	75-01-4	W
m&p-Xylene	2.4	mg/kg	0.21	0.089	1	09/01/15 12:15	09/02/15 03:30	179601-23-1	
o-Xylene	1.2	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 03:30	95-47-6	
Surrogates									
Dibromofluoromethane (S)	100	%	49-157		1	09/01/15 12:15	09/02/15 03:30	1868-53-7	
Toluene-d8 (S)	101	%	61-148		1	09/01/15 12:15	09/02/15 03:30	2037-26-5	
4-Bromofluorobenzene (S)	93	%	53-134		1	09/01/15 12:15	09/02/15 03:30	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	16.5	%	0.10	0.10	1			08/31/15 13:27	

Sample: GP-2, 6-8 Lab ID: 40120346003 Collected: 08/27/15 10:40 Received: 08/29/15 07:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	<0.030	mg/kg	0.060	0.030	2	09/08/15 09:45	09/08/15 19:12	83-32-9	
Acenaphthylene	0.085	mg/kg	0.060	0.027	2	09/08/15 09:45	09/08/15 19:12	208-96-8	
Anthracene	0.17	mg/kg	0.060	0.031	2	09/08/15 09:45	09/08/15 19:12	120-12-7	
Benzo(a)anthracene	0.72	mg/kg	0.060	0.021	2	09/08/15 09:45	09/08/15 19:12	56-55-3	
Benzo(a)pyrene	0.83	mg/kg	0.060	0.021	2	09/08/15 09:45	09/08/15 19:12	50-32-8	
Benzo(b)fluoranthene	0.85	mg/kg	0.060	0.030	2	09/08/15 09:45	09/08/15 19:12	205-99-2	
Benzo(g,h,i)perylene	0.40	mg/kg	0.060	0.023	2	09/08/15 09:45	09/08/15 19:12	191-24-2	
Benzo(k)fluoranthene	0.80	mg/kg	0.060	0.033	2	09/08/15 09:45	09/08/15 19:12	207-08-9	
Chrysene	0.87	mg/kg	0.060	0.028	2	09/08/15 09:45	09/08/15 19:12	218-01-9	
Dibenz(a,h)anthracene	0.16	mg/kg	0.060	0.022	2	09/08/15 09:45	09/08/15 19:12	53-70-3	
Fluoranthene	1.1	mg/kg	0.060	0.030	2	09/08/15 09:45	09/08/15 19:12	206-44-0	
Fluorene	<0.030	mg/kg	0.060	0.030	2	09/08/15 09:45	09/08/15 19:12	86-73-7	
Indeno(1,2,3-cd)pyrene	0.38	mg/kg	0.060	0.023	2	09/08/15 09:45	09/08/15 19:12	193-39-5	
1-Methylnaphthalene	0.15	mg/kg	0.060	0.030	2	09/08/15 09:45	09/08/15 19:12	90-12-0	
2-Methylnaphthalene	0.18	mg/kg	0.060	0.030	2	09/08/15 09:45	09/08/15 19:12	91-57-6	
Naphthalene	0.16	mg/kg	0.060	0.030	2	09/08/15 09:45	09/08/15 19:12	91-20-3	
Phenanthrene	0.42	mg/kg	0.060	0.030	2	09/08/15 09:45	09/08/15 19:12	85-01-8	
Pyrene	1.0	mg/kg	0.060	0.030	2	09/08/15 09:45	09/08/15 19:12	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	60	%	39-130		2	09/08/15 09:45	09/08/15 19:12	321-60-8	
Terphenyl-d14 (S)	61	%	37-130		2	09/08/15 09:45	09/08/15 19:12	1718-51-0	
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Benzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	71-43-2	W
Bromobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	108-86-1	W

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Sample: GP-2, 6-8 Lab ID: 40120346003 Collected: 08/27/15 10:40 Received: 08/29/15 07:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Bromochloromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	74-97-5	W
Bromodichloromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	75-27-4	W
Bromoform	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	75-25-2	W
Bromomethane	<0.070	mg/kg	0.25	0.070	1	09/01/15 12:15	09/02/15 02:22	74-83-9	W
n-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	104-51-8	W
sec-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	135-98-8	W
tert-Butylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	98-06-6	W
Carbon tetrachloride	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	56-23-5	W
Chlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	108-90-7	W
Chloroethane	<0.067	mg/kg	0.25	0.067	1	09/01/15 12:15	09/02/15 02:22	75-00-3	W
Chloroform	<0.046	mg/kg	0.25	0.046	1	09/01/15 12:15	09/02/15 02:22	67-66-3	W
Chloromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	74-87-3	W
2-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	95-49-8	W
4-Chlorotoluene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	106-43-4	W
1,2-Dibromo-3-chloropropane	<0.091	mg/kg	0.25	0.091	1	09/01/15 12:15	09/02/15 02:22	96-12-8	W
Dibromochloromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	124-48-1	W
1,2-Dibromoethane (EDB)	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	106-93-4	W
Dibromomethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	74-95-3	W
1,2-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	95-50-1	W
1,3-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	541-73-1	W
1,4-Dichlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	106-46-7	W
Dichlorodifluoromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	75-71-8	W
1,1-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	75-34-3	W
1,2-Dichloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	107-06-2	W
1,1-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	75-35-4	W
cis-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	156-59-2	W
trans-1,2-Dichloroethene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	156-60-5	W
1,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	78-87-5	W
1,3-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	142-28-9	W
2,2-Dichloropropane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	594-20-7	W
1,1-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	563-58-6	W
cis-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	10061-01-5	W
trans-1,3-Dichloropropene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	10061-02-6	W
Diisopropyl ether	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	108-20-3	W
Ethylbenzene	0.051J	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 02:22	100-41-4	
Hexachloro-1,3-butadiene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	87-68-3	W
Isopropylbenzene (Cumene)	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	98-82-8	W
p-Isopropyltoluene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	99-87-6	W
Methylene Chloride	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	75-09-2	W
Methyl-tert-butyl ether	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	1634-04-4	W
Naphthalene	<0.040	mg/kg	0.25	0.040	1	09/01/15 12:15	09/02/15 02:22	91-20-3	W
n-Propylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	103-65-1	W
Styrene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	100-42-5	W
1,1,1,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	630-20-6	W
1,1,2,2-Tetrachloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	79-34-5	W

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Sample: GP-2, 6-8 Lab ID: 40120346003 Collected: 08/27/15 10:40 Received: 08/29/15 07:35 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Normal List	Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Tetrachloroethene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	127-18-4	W
Toluene	3.1	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 02:22	108-88-3	
1,2,3-Trichlorobenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	87-61-6	W
1,2,4-Trichlorobenzene	<0.048	mg/kg	0.25	0.048	1	09/01/15 12:15	09/02/15 02:22	120-82-1	W
1,1,1-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	71-55-6	W
1,1,2-Trichloroethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	79-00-5	W
Trichloroethene	0.31	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 02:22	79-01-6	
Trichlorofluoromethane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	75-69-4	W
1,2,3-Trichloropropane	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	96-18-4	W
1,2,4-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	95-63-6	W
1,3,5-Trimethylbenzene	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	108-67-8	W
Vinyl chloride	<0.025	mg/kg	0.060	0.025	1	09/01/15 12:15	09/02/15 02:22	75-01-4	W
m&p-Xylene	0.21J	mg/kg	0.22	0.090	1	09/01/15 12:15	09/02/15 02:22	179601-23-1	
o-Xylene	0.078J	mg/kg	0.11	0.045	1	09/01/15 12:15	09/02/15 02:22	95-47-6	
Surrogates									
Dibromofluoromethane (S)	105	%	49-157		1	09/01/15 12:15	09/02/15 02:22	1868-53-7	
Toluene-d8 (S)	105	%	61-148		1	09/01/15 12:15	09/02/15 02:22	2037-26-5	
4-Bromofluorobenzene (S)	98	%	53-134		1	09/01/15 12:15	09/02/15 02:22	460-00-4	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	44.5	%	0.10	0.10	1			08/31/15 13:27	

Sample: TW-2	Lab ID: 40120346004	Collected: 08/27/15 12:05	Received: 08/29/15 07:35	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP, Dissolved	Analytical Method: EPA 6010								
Arsenic, Dissolved	27.6	ug/L	20.0	7.2	1		09/08/15 11:51	7440-38-2	
Barium, Dissolved	64.4	ug/L	5.0	1.4	1		09/08/15 11:51	7440-39-3	
Cadmium, Dissolved	<0.60	ug/L	5.0	0.60	1		09/08/15 11:51	7440-43-9	
Chromium, Dissolved	<2.1	ug/L	5.0	2.1	1		09/08/15 11:51	7440-47-3	
Lead, Dissolved	<3.0	ug/L	7.5	3.0	1		09/08/15 11:51	7439-92-1	
Selenium, Dissolved	<6.7	ug/L	20.0	6.7	1		09/08/15 11:51	7782-49-2	
Silver, Dissolved	<2.7	ug/L	10.0	2.7	1		09/08/15 11:51	7440-22-4	
7470 Mercury, Dissolved	Analytical Method: EPA 7470 Preparation Method: EPA 7470								
Mercury, Dissolved	<0.10	ug/L	0.20	0.10	1	09/01/15 13:35	09/02/15 12:27	7439-97-6	
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Acenaphthene	2.0	ug/L	0.24	0.024	5	09/02/15 08:22	09/04/15 11:14	83-32-9	
Acenaphthylene	2.1	ug/L	0.24	0.024	5	09/02/15 08:22	09/04/15 11:14	208-96-8	
Anthracene	6.9	ug/L	0.24	0.019	5	09/02/15 08:22	09/04/15 11:14	120-12-7	
Benzo(a)anthracene	19.1	ug/L	0.24	0.025	5	09/02/15 08:22	09/04/15 11:14	56-55-3	

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Sample: TW-2	Lab ID: 40120346004	Collected: 08/27/15 12:05	Received: 08/29/15 07:35	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by HVI	Analytical Method: EPA 8270 by HVI Preparation Method: EPA 3510								
Benzo(a)pyrene	20.0	ug/L	0.24	0.021	5	09/02/15 08:22	09/04/15 11:14	50-32-8	
Benzo(b)fluoranthene	24.9	ug/L	0.24	0.026	5	09/02/15 08:22	09/04/15 11:14	205-99-2	
Benzo(g,h,i)perylene	11.3	ug/L	0.24	0.017	5	09/02/15 08:22	09/04/15 11:14	191-24-2	
Benzo(k)fluoranthene	10.1	ug/L	0.24	0.027	5	09/02/15 08:22	09/04/15 11:14	207-08-9	
Chrysene	22.5	ug/L	0.24	0.020	5	09/02/15 08:22	09/04/15 11:14	218-01-9	
Dibenz(a,h)anthracene	2.5	ug/L	0.24	0.027	5	09/02/15 08:22	09/04/15 11:14	53-70-3	
Fluoranthene	51.7	ug/L	0.24	0.045	5	09/02/15 08:22	09/04/15 11:14	206-44-0	
Fluorene	2.5	ug/L	0.24	0.019	5	09/02/15 08:22	09/04/15 11:14	86-73-7	
Indeno(1,2,3-cd)pyrene	9.9	ug/L	0.24	0.017	5	09/02/15 08:22	09/04/15 11:14	193-39-5	
1-Methylnaphthalene	1.7	ug/L	0.24	0.015	5	09/02/15 08:22	09/04/15 11:14	90-12-0	
2-Methylnaphthalene	1.7	ug/L	0.24	0.013	5	09/02/15 08:22	09/04/15 11:14	91-57-6	B
Naphthalene	1.7	ug/L	0.24	0.022	5	09/02/15 08:22	09/04/15 11:14	91-20-3	
Phenanthrene	28.5	ug/L	0.24	0.037	5	09/02/15 08:22	09/04/15 11:14	85-01-8	
Pyrene	29.6	ug/L	0.24	0.037	5	09/02/15 08:22	09/04/15 11:14	129-00-0	
Surrogates									
2-Fluorobiphenyl (S)	40	%	40-130		5	09/02/15 08:22	09/04/15 11:14	321-60-8	
Terphenyl-d14 (S)	22	%	26-135		5	09/02/15 08:22	09/04/15 11:14	1718-51-0	1q,S0
8260 MSV	Analytical Method: EPA 8260								
Benzene	1.3	ug/L	1.0	0.50	1		09/01/15 18:07	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/01/15 18:07	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/01/15 18:07	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/01/15 18:07	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/01/15 18:07	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/01/15 18:07	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/01/15 18:07	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/01/15 18:07	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/01/15 18:07	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/01/15 18:07	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/01/15 18:07	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/01/15 18:07	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/01/15 18:07	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/15 18:07	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/01/15 18:07	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/15 18:07	75-35-4	

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Sample: TW-2	Lab ID: 40120346004	Collected: 08/27/15 12:05	Received: 08/29/15 07:35	Matrix: Water					
Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/01/15 18:07	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/01/15 18:07	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/01/15 18:07	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/01/15 18:07	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/01/15 18:07	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/01/15 18:07	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	108-20-3	
Ethylbenzene	0.96J	ug/L	1.0	0.50	1		09/01/15 18:07	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/01/15 18:07	87-68-3	
Isopropylbenzene (Cumene)	1.3	ug/L	1.0	0.14	1		09/01/15 18:07	98-82-8	
p-Isopropyltoluene	6.5	ug/L	1.0	0.50	1		09/01/15 18:07	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/01/15 18:07	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/01/15 18:07	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/01/15 18:07	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/01/15 18:07	630-20-6	
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/01/15 18:07	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	127-18-4	
Toluene	23.1	ug/L	1.0	0.50	1		09/01/15 18:07	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/01/15 18:07	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/01/15 18:07	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/01/15 18:07	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/15 18:07	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/01/15 18:07	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 18:07	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/01/15 18:07	75-01-4	
m&p-Xylene	9.0	ug/L	2.0	1.0	1		09/01/15 18:07	179601-23-1	
o-Xylene	0.71J	ug/L	1.0	0.50	1		09/01/15 18:07	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		09/01/15 18:07	460-00-4	HS,pH
Dibromofluoromethane (S)	93	%	70-130		1		09/01/15 18:07	1868-53-7	
Toluene-d8 (S)	102	%	70-130		1		09/01/15 18:07	2037-26-5	

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

Sample: TRIP BLANK Lab ID: 40120346005 Collected: 08/27/15 00:00 Received: 08/29/15 07:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
Benzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	71-43-2	
Bromobenzene	<0.23	ug/L	1.0	0.23	1		09/01/15 17:00	108-86-1	
Bromochloromethane	<0.34	ug/L	1.0	0.34	1		09/01/15 17:00	74-97-5	
Bromodichloromethane	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	75-27-4	
Bromoform	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	75-25-2	
Bromomethane	<2.4	ug/L	5.0	2.4	1		09/01/15 17:00	74-83-9	
n-Butylbenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	104-51-8	
sec-Butylbenzene	<2.2	ug/L	5.0	2.2	1		09/01/15 17:00	135-98-8	
tert-Butylbenzene	<0.18	ug/L	1.0	0.18	1		09/01/15 17:00	98-06-6	
Carbon tetrachloride	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	56-23-5	
Chlorobenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	108-90-7	
Chloroethane	<0.37	ug/L	1.0	0.37	1		09/01/15 17:00	75-00-3	
Chloroform	<2.5	ug/L	5.0	2.5	1		09/01/15 17:00	67-66-3	
Chloromethane	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	74-87-3	
2-Chlorotoluene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	95-49-8	
4-Chlorotoluene	<0.21	ug/L	1.0	0.21	1		09/01/15 17:00	106-43-4	
1,2-Dibromo-3-chloropropane	<2.2	ug/L	5.0	2.2	1		09/01/15 17:00	96-12-8	
Dibromochloromethane	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	124-48-1	
1,2-Dibromoethane (EDB)	<0.18	ug/L	1.0	0.18	1		09/01/15 17:00	106-93-4	
Dibromomethane	<0.43	ug/L	1.0	0.43	1		09/01/15 17:00	74-95-3	
1,2-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	95-50-1	
1,3-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	541-73-1	
1,4-Dichlorobenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	106-46-7	
Dichlorodifluoromethane	<0.22	ug/L	1.0	0.22	1		09/01/15 17:00	75-71-8	
1,1-Dichloroethane	<0.24	ug/L	1.0	0.24	1		09/01/15 17:00	75-34-3	
1,2-Dichloroethane	<0.17	ug/L	1.0	0.17	1		09/01/15 17:00	107-06-2	
1,1-Dichloroethene	<0.41	ug/L	1.0	0.41	1		09/01/15 17:00	75-35-4	
cis-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/01/15 17:00	156-59-2	
trans-1,2-Dichloroethene	<0.26	ug/L	1.0	0.26	1		09/01/15 17:00	156-60-5	
1,2-Dichloropropane	<0.23	ug/L	1.0	0.23	1		09/01/15 17:00	78-87-5	
1,3-Dichloropropane	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	142-28-9	
2,2-Dichloropropane	<0.48	ug/L	1.0	0.48	1		09/01/15 17:00	594-20-7	
1,1-Dichloropropene	<0.44	ug/L	1.0	0.44	1		09/01/15 17:00	563-58-6	
cis-1,3-Dichloropropene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	10061-01-5	
trans-1,3-Dichloropropene	<0.23	ug/L	1.0	0.23	1		09/01/15 17:00	10061-02-6	
Diisopropyl ether	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	108-20-3	
Ethylbenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	100-41-4	
Hexachloro-1,3-butadiene	<2.1	ug/L	5.0	2.1	1		09/01/15 17:00	87-68-3	
Isopropylbenzene (Cumene)	<0.14	ug/L	1.0	0.14	1		09/01/15 17:00	98-82-8	
p-Isopropyltoluene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	99-87-6	
Methylene Chloride	<0.23	ug/L	1.0	0.23	1		09/01/15 17:00	75-09-2	
Methyl-tert-butyl ether	<0.17	ug/L	1.0	0.17	1		09/01/15 17:00	1634-04-4	
Naphthalene	<2.5	ug/L	5.0	2.5	1		09/01/15 17:00	91-20-3	
n-Propylbenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	103-65-1	
Styrene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	100-42-5	
1,1,1,2-Tetrachloroethane	<0.18	ug/L	1.0	0.18	1		09/01/15 17:00	630-20-6	

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ANALYTICAL RESULTS

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

Sample: TRIP BLANK Lab ID: 40120346005 Collected: 08/27/15 00:00 Received: 08/29/15 07:35 Matrix: Water

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
1,1,2,2-Tetrachloroethane	<0.25	ug/L	1.0	0.25	1		09/01/15 17:00	79-34-5	
Tetrachloroethene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	127-18-4	
Toluene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	108-88-3	
1,2,3-Trichlorobenzene	<2.1	ug/L	5.0	2.1	1		09/01/15 17:00	87-61-6	
1,2,4-Trichlorobenzene	<2.2	ug/L	5.0	2.2	1		09/01/15 17:00	120-82-1	
1,1,1-Trichloroethane	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	71-55-6	
1,1,2-Trichloroethane	<0.20	ug/L	1.0	0.20	1		09/01/15 17:00	79-00-5	
Trichloroethene	<0.33	ug/L	1.0	0.33	1		09/01/15 17:00	79-01-6	
Trichlorofluoromethane	<0.18	ug/L	1.0	0.18	1		09/01/15 17:00	75-69-4	
1,2,3-Trichloropropane	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	96-18-4	
1,2,4-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	95-63-6	
1,3,5-Trimethylbenzene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	108-67-8	
Vinyl chloride	<0.18	ug/L	1.0	0.18	1		09/01/15 17:00	75-01-4	
m&p-Xylene	<1.0	ug/L	2.0	1.0	1		09/01/15 17:00	179601-23-1	
o-Xylene	<0.50	ug/L	1.0	0.50	1		09/01/15 17:00	95-47-6	
Surrogates									
4-Bromofluorobenzene (S)	96	%	70-130		1		09/01/15 17:00	460-00-4	
Dibromofluoromethane (S)	99	%	70-130		1		09/01/15 17:00	1868-53-7	
Toluene-d8 (S)	96	%	70-130		1		09/01/15 17:00	2037-26-5	

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

QC Batch:	ICP/11108	Analysis Method:	EPA 6010
QC Batch Method:	EPA 6010	Analysis Description:	ICP Metals, Trace, Dissolved
Associated Lab Samples:	40120346004		

METHOD BLANK: 1216703 Matrix: Water

Associated Lab Samples: 40120346004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic, Dissolved	ug/L	<7.2	20.0	09/08/15 11:35	
Barium, Dissolved	ug/L	<1.4	5.0	09/08/15 11:35	
Cadmium, Dissolved	ug/L	<0.60	5.0	09/08/15 11:35	
Chromium, Dissolved	ug/L	<2.1	5.0	09/08/15 11:35	
Lead, Dissolved	ug/L	<3.0	7.5	09/08/15 11:35	
Selenium, Dissolved	ug/L	<6.7	20.0	09/08/15 11:35	
Silver, Dissolved	ug/L	<2.7	10.0	09/08/15 11:35	

LABORATORY CONTROL SAMPLE: 1216704

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic, Dissolved	ug/L	500	476	95	80-120	
Barium, Dissolved	ug/L	500	475	95	80-120	
Cadmium, Dissolved	ug/L	500	479	96	80-120	
Chromium, Dissolved	ug/L	500	478	96	80-120	
Lead, Dissolved	ug/L	500	471	94	80-120	
Selenium, Dissolved	ug/L	500	484	97	80-120	
Silver, Dissolved	ug/L	250	225	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1216705 1216706

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	RPD	Max Qual
		40120332012	Spike Result	Spike Conc.	MS Result						
Arsenic, Dissolved	ug/L	<7.2	500	500	481	491	96	97	75-125	2	20
Barium, Dissolved	ug/L	120	500	500	588	592	94	94	75-125	1	20
Cadmium, Dissolved	ug/L	<0.60	500	500	485	486	97	97	75-125	0	20
Chromium, Dissolved	ug/L	<2.1	500	500	481	481	96	96	75-125	0	20
Lead, Dissolved	ug/L	<3.0	500	500	474	476	95	95	75-125	0	20
Selenium, Dissolved	ug/L	<6.7	500	500	500	503	99	100	75-125	1	20
Silver, Dissolved	ug/L	<2.7	250	250	224	226	90	90	75-125	1	20

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

QC Batch:	MERP/5180	Analysis Method:	EPA 7470
QC Batch Method:	EPA 7470	Analysis Description:	7470 Mercury Dissolved
Associated Lab Samples:	40120346004		

METHOD BLANK: 1214200 Matrix: Water

Associated Lab Samples: 40120346004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Mercury, Dissolved	ug/L	<0.10	0.20	09/02/15 11:41	

LABORATORY CONTROL SAMPLE: 1214201

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Mercury, Dissolved	ug/L	5	5.2	104	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1214202 1214203

Parameter	Units	40120332001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
Mercury, Dissolved	ug/L	<0.10	5	5	4.9	5.2	98	103	85-115	6	20	

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

QC Batch:	MSV/29994	Analysis Method:	EPA 8260
QC Batch Method:	EPA 5035/5030B	Analysis Description:	8260 MSV Med Level Normal List
Associated Lab Samples:	40120346001, 40120346002, 40120346003		

METHOD BLANK: 1214107 Matrix: Solid

Associated Lab Samples: 40120346001, 40120346002, 40120346003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	<0.014	0.050	09/01/15 18:51	
1,1,1-Trichloroethane	mg/kg	<0.014	0.050	09/01/15 18:51	
1,1,2,2-Tetrachloroethane	mg/kg	<0.018	0.050	09/01/15 18:51	
1,1,2-Trichloroethane	mg/kg	<0.020	0.050	09/01/15 18:51	
1,1-Dichloroethane	mg/kg	<0.018	0.050	09/01/15 18:51	
1,1-Dichloroethene	mg/kg	<0.018	0.050	09/01/15 18:51	
1,1-Dichloropropene	mg/kg	<0.014	0.050	09/01/15 18:51	
1,2,3-Trichlorobenzene	mg/kg	0.018J	0.050	09/01/15 18:51	
1,2,3-Trichloropropane	mg/kg	<0.022	0.050	09/01/15 18:51	
1,2,4-Trichlorobenzene	mg/kg	<0.048	0.25	09/01/15 18:51	
1,2,4-Trimethylbenzene	mg/kg	<0.012	0.050	09/01/15 18:51	
1,2-Dibromo-3-chloropropane	mg/kg	<0.091	0.25	09/01/15 18:51	
1,2-Dibromoethane (EDB)	mg/kg	<0.015	0.050	09/01/15 18:51	
1,2-Dichlorobenzene	mg/kg	<0.016	0.050	09/01/15 18:51	
1,2-Dichloroethane	mg/kg	<0.015	0.050	09/01/15 18:51	
1,2-Dichloropropane	mg/kg	<0.017	0.050	09/01/15 18:51	
1,3,5-Trimethylbenzene	mg/kg	<0.014	0.050	09/01/15 18:51	
1,3-Dichlorobenzene	mg/kg	<0.013	0.050	09/01/15 18:51	
1,3-Dichloropropane	mg/kg	<0.012	0.050	09/01/15 18:51	
1,4-Dichlorobenzene	mg/kg	<0.016	0.050	09/01/15 18:51	
2,2-Dichloropropane	mg/kg	<0.013	0.050	09/01/15 18:51	
2-Chlorotoluene	mg/kg	<0.016	0.050	09/01/15 18:51	
4-Chlorotoluene	mg/kg	<0.013	0.050	09/01/15 18:51	
Benzene	mg/kg	<0.0092	0.020	09/01/15 18:51	
Bromobenzene	mg/kg	<0.021	0.050	09/01/15 18:51	
Bromochloromethane	mg/kg	<0.021	0.050	09/01/15 18:51	
Bromodichloromethane	mg/kg	<0.0098	0.050	09/01/15 18:51	
Bromoform	mg/kg	<0.020	0.050	09/01/15 18:51	
Bromomethane	mg/kg	<0.070	0.25	09/01/15 18:51	
Carbon tetrachloride	mg/kg	<0.012	0.050	09/01/15 18:51	
Chlorobenzene	mg/kg	<0.015	0.050	09/01/15 18:51	
Chloroethane	mg/kg	<0.067	0.25	09/01/15 18:51	
Chloroform	mg/kg	<0.046	0.25	09/01/15 18:51	
Chloromethane	mg/kg	<0.020	0.050	09/01/15 18:51	
cis-1,2-Dichloroethene	mg/kg	<0.017	0.050	09/01/15 18:51	
cis-1,3-Dichloropropene	mg/kg	<0.017	0.050	09/01/15 18:51	
Dibromochloromethane	mg/kg	<0.018	0.050	09/01/15 18:51	
Dibromomethane	mg/kg	<0.019	0.050	09/01/15 18:51	
Dichlorodifluoromethane	mg/kg	<0.012	0.050	09/01/15 18:51	
Diisopropyl ether	mg/kg	<0.018	0.050	09/01/15 18:51	
Ethylbenzene	mg/kg	<0.012	0.050	09/01/15 18:51	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

METHOD BLANK: 1214107 Matrix: Solid

Associated Lab Samples: 40120346001, 40120346002, 40120346003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	mg/kg	<0.024	0.050	09/01/15 18:51	
Isopropylbenzene (Cumene)	mg/kg	<0.013	0.050	09/01/15 18:51	
m&p-Xylene	mg/kg	<0.034	0.10	09/01/15 18:51	
Methyl-tert-butyl ether	mg/kg	<0.013	0.050	09/01/15 18:51	
Methylene Chloride	mg/kg	<0.016	0.050	09/01/15 18:51	
n-Butylbenzene	mg/kg	0.011J	0.050	09/01/15 18:51	
n-Propylbenzene	mg/kg	<0.012	0.050	09/01/15 18:51	
Naphthalene	mg/kg	<0.040	0.25	09/01/15 18:51	
o-Xylene	mg/kg	<0.014	0.050	09/01/15 18:51	
p-Isopropyltoluene	mg/kg	<0.012	0.050	09/01/15 18:51	
sec-Butylbenzene	mg/kg	<0.012	0.050	09/01/15 18:51	
Styrene	mg/kg	<0.0090	0.050	09/01/15 18:51	
tert-Butylbenzene	mg/kg	<0.0095	0.050	09/01/15 18:51	
Tetrachloroethene	mg/kg	<0.013	0.050	09/01/15 18:51	
Toluene	mg/kg	<0.011	0.050	09/01/15 18:51	
trans-1,2-Dichloroethene	mg/kg	<0.016	0.050	09/01/15 18:51	
trans-1,3-Dichloropropene	mg/kg	<0.014	0.050	09/01/15 18:51	
Trichloroethene	mg/kg	<0.024	0.050	09/01/15 18:51	
Trichlorofluoromethane	mg/kg	<0.025	0.050	09/01/15 18:51	
Vinyl chloride	mg/kg	<0.021	0.050	09/01/15 18:51	
4-Bromofluorobenzene (S)	%	99	53-134	09/01/15 18:51	
Dibromofluoromethane (S)	%	105	49-157	09/01/15 18:51	
Toluene-d8 (S)	%	98	61-148	09/01/15 18:51	

LABORATORY CONTROL SAMPLE & LCSD: 1214108

1214109

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	mg/kg	2.5	2.4	2.4	95	94	70-130	0	20	
1,1,2,2-Tetrachloroethane	mg/kg	2.5	2.4	2.4	97	98	70-130	1	20	
1,1,2-Trichloroethane	mg/kg	2.5	2.5	2.6	102	102	70-130	0	20	
1,1-Dichloroethane	mg/kg	2.5	2.3	2.3	91	91	70-130	1	20	
1,1-Dichloroethene	mg/kg	2.5	2.4	2.4	95	97	70-132	2	20	
1,2,4-Trichlorobenzene	mg/kg	2.5	2.3	2.5	93	101	70-130	8	20	
1,2-Dibromo-3-chloropropane	mg/kg	2.5	2.3	2.3	90	93	45-150	2	20	
1,2-Dibromoethane (EDB)	mg/kg	2.5	2.5	2.5	101	101	70-130	0	20	
1,2-Dichlorobenzene	mg/kg	2.5	2.3	2.4	92	98	70-130	6	20	
1,2-Dichloroethane	mg/kg	2.5	2.3	2.2	92	90	70-134	2	20	
1,2-Dichloropropane	mg/kg	2.5	2.2	2.3	88	92	70-130	5	20	
1,3-Dichlorobenzene	mg/kg	2.5	2.2	2.4	89	94	70-130	6	20	
1,4-Dichlorobenzene	mg/kg	2.5	2.2	2.4	89	96	70-130	7	20	
Benzene	mg/kg	2.5	2.5	2.5	100	100	70-130	0	20	
Bromodichloromethane	mg/kg	2.5	2.4	2.5	94	98	70-130	4	20	
Bromoform	mg/kg	2.5	2.2	2.2	89	87	48-130	2	20	
Bromomethane	mg/kg	2.5	2.3	2.3	90	92	70-169	2	20	

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

LABORATORY CONTROL SAMPLE & LCSD: 1214108

1214109

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Carbon tetrachloride	mg/kg	2.5	2.3	2.4	94	94	67-130	1	20	
Chlorobenzene	mg/kg	2.5	2.4	2.4	98	96	70-130	1	20	
Chloroethane	mg/kg	2.5	2.3	2.4	90	95	70-191	6	20	
Chloroform	mg/kg	2.5	2.3	2.4	92	95	70-130	3	20	
Chloromethane	mg/kg	2.5	2.0	2.0	79	79	52-132	1	20	
cis-1,2-Dichloroethene	mg/kg	2.5	2.4	2.4	95	98	70-130	3	20	
cis-1,3-Dichloropropene	mg/kg	2.5	2.5	2.5	98	98	70-130	0	20	
Dibromochloromethane	mg/kg	2.5	2.2	2.2	90	90	65-130	0	20	
Dichlorodifluoromethane	mg/kg	2.5	1.4	1.5	57	59	12-150	3	20	
Ethylbenzene	mg/kg	2.5	2.3	2.4	93	96	70-130	3	20	
Isopropylbenzene (Cumene)	mg/kg	2.5	2.4	2.4	96	98	70-130	1	20	
m&p-Xylene	mg/kg	5	4.7	4.9	94	98	70-130	4	20	
Methyl-tert-butyl ether	mg/kg	2.5	2.5	2.4	99	96	70-130	3	20	
Methylene Chloride	mg/kg	2.5	2.6	2.5	104	101	70-131	2	20	
o-Xylene	mg/kg	2.5	2.3	2.4	94	98	70-130	4	20	
Styrene	mg/kg	2.5	2.4	2.5	95	99	70-130	5	20	
Tetrachloroethene	mg/kg	2.5	2.3	2.4	94	96	70-130	2	20	
Toluene	mg/kg	2.5	2.5	2.5	99	99	70-130	1	20	
trans-1,2-Dichloroethene	mg/kg	2.5	2.4	2.4	96	96	69-130	0	20	
trans-1,3-Dichloropropene	mg/kg	2.5	2.2	2.2	86	86	65-130	0	20	
Trichloroethene	mg/kg	2.5	2.3	2.3	93	94	70-130	1	20	
Trichlorofluoromethane	mg/kg	2.5	2.2	2.3	87	91	50-150	4	20	
Vinyl chloride	mg/kg	2.5	2.1	2.1	83	86	67-134	4	20	
4-Bromofluorobenzene (S)	%				98	98	53-134			
Dibromofluoromethane (S)	%				103	101	49-157			
Toluene-d8 (S)	%				105	105	61-148			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1214110

1214111

Parameter	Units	MS Result	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
1,1,1-Trichloroethane	mg/kg	<18.5 ug/kg	3.2	3.2	3.0	2.8	95	87	63-130	9	20
1,1,2,2-Tetrachloroethane	mg/kg	<22.4 ug/kg	3.2	3.2	2.9	2.9	92	89	57-136	3	20
1,1,2-Trichloroethane	mg/kg	<25.9 ug/kg	3.2	3.2	3.2	3.0	102	92	70-130	10	20
1,1-Dichloroethane	mg/kg	<22.5 ug/kg	3.2	3.2	2.9	2.6	89	81	62-131	9	23
1,1-Dichloroethene	mg/kg	<22.5 ug/kg	3.2	3.2	2.9	2.7	90	85	42-137	6	20
1,2,4-Trichlorobenzene	mg/kg	<60.8 ug/kg	3.2	3.2	3.1	3.0	97	94	59-137	4	21
1,2-Dibromo-3-chloropropane	mg/kg	<117 ug/kg	3.2	3.2	2.7	2.8	86	88	33-150	2	25
1,2-Dibromoethane (EDB)	mg/kg	<18.8 ug/kg	3.2	3.2	3.1	3.0	97	94	70-130	3	20

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REPORT OF LABORATORY ANALYSIS

QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

Parameter	Units	40120333009		MS Spike		MSD Spike		MS Result		MSD Result		MS % Rec		MSD % Rec		% Rec Limits		Max RPD		Max Qual	
		Result	Conc.	Conc.	Result	Conc.	Result	Conc.	Result	Conc.	Result	% Rec	Result	Conc.	Result	Conc.	Limits	RPD	RPD	Qual	
1,2-Dichlorobenzene	mg/kg	<20.7 ug/kg	3.2	3.2	2.9	2.8	92	88	70-130	4	20										
1,2-Dichloroethane	mg/kg	<19.2 ug/kg	3.2	3.2	2.9	2.7	89	84	68-134	7	20										
1,2-Dichloropropane	mg/kg	<21.5 ug/kg	3.2	3.2	2.9	2.7	92	84	70-130	8	20										
1,3-Dichlorobenzene	mg/kg	<16.9 ug/kg	3.2	3.2	2.9	2.7	92	85	70-130	8	20										
1,4-Dichlorobenzene	mg/kg	<20.3 ug/kg	3.2	3.2	2.9	2.7	91	85	69-130	7	20										
Benzene	mg/kg	<11.8 ug/kg	3.2	3.2	3.2	3.0	100	93	56-131	7	20										
Bromodichloromethane	mg/kg	<12.5 ug/kg	3.2	3.2	3.3	3.0	102	94	64-130	9	20										
Bromoform	mg/kg	<25.3 ug/kg	3.2	3.2	2.7	2.6	84	82	48-130	3	20										
Bromomethane	mg/kg	<89.4 ug/kg	3.2	3.2	2.5	2.4	77	75	18-169	2	23										
Carbon tetrachloride	mg/kg	<15.5 ug/kg	3.2	3.2	3.1	2.8	96	86	59-130	11	20										
Chlorobenzene	mg/kg	<18.9 ug/kg	3.2	3.2	3.0	2.9	94	89	70-130	5	20										
Chloroethane	mg/kg	<85.7 ug/kg	3.2	3.2	2.6	2.4	80	75	10-191	7	20										
Chloroform	mg/kg	<59.4 ug/kg	3.2	3.2	2.9	2.8	91	88	65-130	4	20										
Chloromethane	mg/kg	<26.1 ug/kg	3.2	3.2	2.0	1.8	62	57	36-132	8	20										
cis-1,2-Dichloroethene	mg/kg	<21.2 ug/kg	3.2	3.2	3.1	2.8	95	89	59-136	7	24										
cis-1,3-Dichloropropene	mg/kg	<21.2 ug/kg	3.2	3.2	3.2	2.9	99	91	60-130	9	20										
Dibromochloromethane	mg/kg	<22.9 ug/kg	3.2	3.2	2.8	2.6	86	82	59-130	5	20										
Dichlorodifluoromethane	mg/kg	<15.7 ug/kg	3.2	3.2	0.82	0.76	26	24	10-150	8	27										
Ethylbenzene	mg/kg	<15.9 ug/kg	3.2	3.2	3.1	2.8	95	88	64-130	8	20										
Isopropylbenzene (Cumene)	mg/kg	26.3J ug/kg	3.2	3.2	3.2	2.9	99	89	69-138	11	20										
m&p-Xylene	mg/kg	<44.0 ug/kg	6.4	6.4	6.4	5.7	100	90	61-130	11	20										
Methyl-tert-butyl ether	mg/kg	<16.2 ug/kg	3.2	3.2	3.1	2.9	97	91	52-134	7	20										
Methylene Chloride	mg/kg	<20.7 ug/kg	3.2	3.2	3.1	2.8	98	88	61-131	10	20										
o-Xylene	mg/kg	<17.9 ug/kg	3.2	3.2	3.2	2.9	100	90	63-130	11	20										
Styrene	mg/kg	<11.5 ug/kg	3.2	3.2	3.2	2.9	101	91	70-130	11	20										
Tetrachloroethene	mg/kg	<16.5 ug/kg	3.2	3.2	2.8	2.8	89	88	65-130	1	20										
Toluene	mg/kg	<14.3 ug/kg	3.2	3.2	3.0	2.9	94	91	65-130	3	20										

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:		1214110		1214111								
Parameter	Units	40120333009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Max Qual
trans-1,2-Dichloroethene	mg/kg	<21.1 ug/kg	3.2	3.2	2.9	2.7	92	83	55-130	10	20	
trans-1,3-Dichloropropene	mg/kg	<18.4 ug/kg	3.2	3.2	2.7	2.6	85	80	54-130	6	20	
Trichloroethene	mg/kg	<30.2 ug/kg	3.2	3.2	3.0	2.7	94	85	70-130	10	20	
Trichlorofluoromethane	mg/kg	<31.6 ug/kg	3.2	3.2	2.6	2.3	82	71	42-150	14	24	
Vinyl chloride	mg/kg	<27.0 ug/kg	3.2	3.2	2.2	2.0	68	61	35-134	11	20	
4-Bromofluorobenzene (S)	%						100	91	53-134			
Dibromofluoromethane (S)	%						106	100	49-157			
Toluene-d8 (S)	%						101	96	61-148			

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

QC Batch:	MSV/29985	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	40120346004, 40120346005		

METHOD BLANK: 1213550 Matrix: Water

Associated Lab Samples: 40120346004, 40120346005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	<0.18	1.0	09/01/15 07:19	
1,1,1-Trichloroethane	ug/L	<0.50	1.0	09/01/15 07:19	
1,1,2,2-Tetrachloroethane	ug/L	<0.25	1.0	09/01/15 07:19	
1,1,2-Trichloroethane	ug/L	<0.20	1.0	09/01/15 07:19	
1,1-Dichloroethane	ug/L	<0.24	1.0	09/01/15 07:19	
1,1-Dichloroethene	ug/L	<0.41	1.0	09/01/15 07:19	
1,1-Dichloropropene	ug/L	<0.44	1.0	09/01/15 07:19	
1,2,3-Trichlorobenzene	ug/L	<2.1	5.0	09/01/15 07:19	
1,2,3-Trichloropropane	ug/L	<0.50	1.0	09/01/15 07:19	
1,2,4-Trichlorobenzene	ug/L	<2.2	5.0	09/01/15 07:19	
1,2,4-Trimethylbenzene	ug/L	<0.50	1.0	09/01/15 07:19	
1,2-Dibromo-3-chloropropane	ug/L	<2.2	5.0	09/01/15 07:19	
1,2-Dibromoethane (EDB)	ug/L	<0.18	1.0	09/01/15 07:19	
1,2-Dichlorobenzene	ug/L	<0.50	1.0	09/01/15 07:19	
1,2-Dichloroethane	ug/L	<0.17	1.0	09/01/15 07:19	
1,2-Dichloropropane	ug/L	<0.23	1.0	09/01/15 07:19	
1,3,5-Trimethylbenzene	ug/L	<0.50	1.0	09/01/15 07:19	
1,3-Dichlorobenzene	ug/L	<0.50	1.0	09/01/15 07:19	
1,3-Dichloropropane	ug/L	<0.50	1.0	09/01/15 07:19	
1,4-Dichlorobenzene	ug/L	<0.50	1.0	09/01/15 07:19	
2,2-Dichloropropane	ug/L	<0.48	1.0	09/01/15 07:19	
2-Chlorotoluene	ug/L	<0.50	1.0	09/01/15 07:19	
4-Chlorotoluene	ug/L	<0.21	1.0	09/01/15 07:19	
Benzene	ug/L	<0.50	1.0	09/01/15 07:19	
Bromobenzene	ug/L	<0.23	1.0	09/01/15 07:19	
Bromochloromethane	ug/L	<0.34	1.0	09/01/15 07:19	
Bromodichloromethane	ug/L	<0.50	1.0	09/01/15 07:19	
Bromoform	ug/L	<0.50	1.0	09/01/15 07:19	
Bromomethane	ug/L	<2.4	5.0	09/01/15 07:19	
Carbon tetrachloride	ug/L	<0.50	1.0	09/01/15 07:19	
Chlorobenzene	ug/L	<0.50	1.0	09/01/15 07:19	
Chloroethane	ug/L	<0.37	1.0	09/01/15 07:19	
Chloroform	ug/L	<2.5	5.0	09/01/15 07:19	
Chloromethane	ug/L	<0.50	1.0	09/01/15 07:19	
cis-1,2-Dichloroethene	ug/L	<0.26	1.0	09/01/15 07:19	
cis-1,3-Dichloropropene	ug/L	<0.50	1.0	09/01/15 07:19	
Dibromochloromethane	ug/L	<0.50	1.0	09/01/15 07:19	
Dibromomethane	ug/L	<0.43	1.0	09/01/15 07:19	
Dichlorodifluoromethane	ug/L	<0.22	1.0	09/01/15 07:19	
Diisopropyl ether	ug/L	<0.50	1.0	09/01/15 07:19	
Ethylbenzene	ug/L	<0.50	1.0	09/01/15 07:19	

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

METHOD BLANK: 1213550

Matrix: Water

Associated Lab Samples: 40120346004, 40120346005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Hexachloro-1,3-butadiene	ug/L	<2.1	5.0	09/01/15 07:19	
Isopropylbenzene (Cumene)	ug/L	<0.14	1.0	09/01/15 07:19	
m&p-Xylene	ug/L	<1.0	2.0	09/01/15 07:19	
Methyl-tert-butyl ether	ug/L	<0.17	1.0	09/01/15 07:19	
Methylene Chloride	ug/L	<0.23	1.0	09/01/15 07:19	
n-Butylbenzene	ug/L	<0.50	1.0	09/01/15 07:19	
n-Propylbenzene	ug/L	<0.50	1.0	09/01/15 07:19	
Naphthalene	ug/L	<2.5	5.0	09/01/15 07:19	
o-Xylene	ug/L	<0.50	1.0	09/01/15 07:19	
p-Isopropyltoluene	ug/L	<0.50	1.0	09/01/15 07:19	
sec-Butylbenzene	ug/L	<2.2	5.0	09/01/15 07:19	
Styrene	ug/L	<0.50	1.0	09/01/15 07:19	
tert-Butylbenzene	ug/L	<0.18	1.0	09/01/15 07:19	
Tetrachloroethene	ug/L	<0.50	1.0	09/01/15 07:19	
Toluene	ug/L	<0.50	1.0	09/01/15 07:19	
trans-1,2-Dichloroethene	ug/L	<0.26	1.0	09/01/15 07:19	
trans-1,3-Dichloropropene	ug/L	<0.23	1.0	09/01/15 07:19	
Trichloroethene	ug/L	<0.33	1.0	09/01/15 07:19	
Trichlorofluoromethane	ug/L	<0.18	1.0	09/01/15 07:19	
Vinyl chloride	ug/L	<0.18	1.0	09/01/15 07:19	
4-Bromofluorobenzene (S)	%	96	70-130	09/01/15 07:19	
Dibromofluoromethane (S)	%	97	70-130	09/01/15 07:19	
Toluene-d8 (S)	%	97	70-130	09/01/15 07:19	

LABORATORY CONTROL SAMPLE & LCSD: 1213551

1213552

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	20	18.6	19.6	93	98	70-130	5	20	
1,1,2,2-Tetrachloroethane	ug/L	20	18.4	18.4	92	92	70-130	0	20	
1,1,2-Trichloroethane	ug/L	20	18.8	19.0	94	95	70-130	1	20	
1,1-Dichloroethane	ug/L	20	17.9	18.6	90	93	70-130	4	20	
1,1-Dichloroethene	ug/L	20	18.4	19.2	92	96	70-130	5	20	
1,2,4-Trichlorobenzene	ug/L	20	17.2	17.5	86	88	70-130	2	20	
1,2-Dibromo-3-chloropropane	ug/L	20	16.6	16.3	83	81	50-150	2	20	
1,2-Dibromoethane (EDB)	ug/L	20	19.5	19.5	97	97	70-130	0	20	
1,2-Dichlorobenzene	ug/L	20	18.1	18.9	91	94	70-130	4	20	
1,2-Dichloroethane	ug/L	20	18.0	18.7	90	93	70-131	3	20	
1,2-Dichloropropane	ug/L	20	19.6	20.0	98	100	70-130	2	20	
1,3-Dichlorobenzene	ug/L	20	18.1	18.5	91	93	70-130	2	20	
1,4-Dichlorobenzene	ug/L	20	18.2	18.6	91	93	70-130	2	20	
Benzene	ug/L	20	18.0	18.7	90	94	70-130	4	20	
Bromodichloromethane	ug/L	20	19.2	19.4	96	97	70-130	1	20	
Bromoform	ug/L	20	17.8	18.0	89	90	68-130	1	20	
Bromomethane	ug/L	20	12.0	13.2	60	66	38-137	10	20	

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

Parameter	Units	1213552									
		Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers	
Carbon tetrachloride	ug/L	20	18.5	19.6	93	98	70-130	6	20		
Chlorobenzene	ug/L	20	19.4	19.5	97	98	70-130	1	20		
Chloroethane	ug/L	20	17.4	18.0	87	90	70-136	3	20		
Chloroform	ug/L	20	18.3	19.0	91	95	70-130	4	20		
Chloromethane	ug/L	20	16.1	16.8	81	84	48-144	4	20		
cis-1,2-Dichloroethene	ug/L	20	19.5	20.3	97	101	70-130	4	20		
cis-1,3-Dichloropropene	ug/L	20	16.9	17.5	85	87	70-130	3	20		
Dibromochloromethane	ug/L	20	18.0	18.4	90	92	70-130	2	20		
Dichlorodifluoromethane	ug/L	20	16.0	16.2	80	81	33-157	1	20		
Ethylbenzene	ug/L	20	19.4	19.8	97	99	70-132	2	20		
Isopropylbenzene (Cumene)	ug/L	20	19.8	20.0	99	100	70-130	1	20		
m&p-Xylene	ug/L	40	41.2	41.8	103	104	70-131	2	20		
Methyl-tert-butyl ether	ug/L	20	16.9	17.5	85	87	48-141	3	20		
Methylene Chloride	ug/L	20	18.1	18.9	91	95	70-130	4	20		
o-Xylene	ug/L	20	19.5	19.5	97	98	70-131	0	20		
Styrene	ug/L	20	19.9	20.0	99	100	70-130	1	20		
Tetrachloroethene	ug/L	20	20.0	20.3	100	102	70-130	2	20		
Toluene	ug/L	20	19.7	20.0	98	100	70-130	1	20		
trans-1,2-Dichloroethene	ug/L	20	18.1	18.9	90	94	70-130	4	20		
trans-1,3-Dichloropropene	ug/L	20	16.2	16.4	81	82	70-130	1	20		
Trichloroethene	ug/L	20	20.2	20.8	101	104	70-130	3	20		
Trichlorofluoromethane	ug/L	20	19.1	19.5	96	98	50-150	2	20		
Vinyl chloride	ug/L	20	17.3	18.0	86	90	65-142	4	20		
4-Bromofluorobenzene (S)	%				101	99	70-130				
Dibromofluoromethane (S)	%				99	99	70-130				
Toluene-d8 (S)	%				98	96	70-130				

Parameter	Units	1213744									
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.	MS Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD
1,1,1-Trichloroethane	ug/L	<0.50	50	50	49.4	51.0	99	102	70-130	3	20
1,1,2,2-Tetrachloroethane	ug/L	<0.25	50	50	47.0	47.3	94	95	70-130	1	20
1,1,2-Trichloroethane	ug/L	<0.20	50	50	50.4	50.6	101	101	70-130	0	20
1,1-Dichloroethane	ug/L	0.27J	50	50	46.1	47.7	92	95	70-134	3	20
1,1-Dichloroethene	ug/L	<0.41	50	50	47.6	49.0	95	98	70-139	3	20
1,2,4-Trichlorobenzene	ug/L	<2.2	50	50	48.2	48.8	96	98	70-130	1	20
1,2-Dibromo-3-chloropropane	ug/L	<2.2	50	50	46.1	45.8	92	92	50-150	1	20
1,2-Dibromoethane (EDB)	ug/L	<0.18	50	50	51.8	53.7	104	107	70-130	4	20
1,2-Dichlorobenzene	ug/L	<0.50	50	50	47.7	48.5	95	97	70-130	1	20
1,2-Dichloroethane	ug/L	<0.17	50	50	46.5	47.2	93	94	70-132	2	20
1,2-Dichloropropane	ug/L	<0.23	50	50	49.9	50.9	100	102	70-130	2	20
1,3-Dichlorobenzene	ug/L	<0.50	50	50	47.7	48.3	95	97	70-130	1	20
1,4-Dichlorobenzene	ug/L	<0.50	50	50	47.3	47.5	95	95	70-130	1	20

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

Parameter	Units	40120332009		MS		MSD		MS		MSD		% Rec	Limits	Max			
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	MSD % Rec	RPD	RPD	Qual			RPD	RPD		
Benzene	ug/L	<0.50	50	50	46.8	48.0	94	96	70-130	3	20						
Bromodichloromethane	ug/L	<0.50	50	50	50.5	51.8	101	104	70-132	3	20						
Bromoform	ug/L	<0.50	50	50	49.7	49.6	99	99	68-130	0	20						
Bromomethane	ug/L	<2.4	50	50	34.4	36.8	69	74	38-141	7	20						
Carbon tetrachloride	ug/L	<0.50	50	50	50.1	51.0	100	102	70-130	2	20						
Chlorobenzene	ug/L	<0.50	50	50	50.9	51.6	102	103	70-130	1	20						
Chloroethane	ug/L	<0.37	50	50	44.7	45.7	89	91	66-152	2	20						
Chloroform	ug/L	<2.5	50	50	47.5	48.7	95	97	70-130	2	20						
Chloromethane	ug/L	<0.50	50	50	41.6	42.6	83	85	44-151	2	20						
cis-1,2-Dichloroethene	ug/L	<0.26	50	50	48.6	51.3	97	103	70-130	5	20						
cis-1,3-Dichloropropene	ug/L	<0.50	50	50	48.1	49.3	96	99	70-130	2	20						
Dibromochloromethane	ug/L	<0.50	50	50	51.7	51.7	103	103	70-130	0	20						
Dichlorodifluoromethane	ug/L	<0.22	50	50	39.8	40.4	80	81	29-160	1	20						
Ethylbenzene	ug/L	<0.50	50	50	52.6	53.4	105	107	70-132	2	20						
Isopropylbenzene (Cumene)	ug/L	<0.14	50	50	53.2	54.0	106	108	70-130	1	20						
m&p-Xylene	ug/L	<1.0	100	100	107	110	107	110	70-131	3	20						
Methyl-tert-butyl ether	ug/L	<0.17	50	50	44.2	45.1	88	90	48-143	2	20						
Methylene Chloride	ug/L	<0.23	50	50	46.4	47.0	93	94	70-130	1	20						
o-Xylene	ug/L	<0.50	50	50	52.3	52.9	105	106	70-131	1	20						
Styrene	ug/L	<0.50	50	50	53.4	53.7	107	107	70-130	1	20						
Tetrachloroethene	ug/L	<0.50	50	50	53.1	54.4	106	109	70-130	2	20						
Toluene	ug/L	<0.50	50	50	52.4	52.6	105	105	70-130	0	20						
trans-1,2-Dichloroethene	ug/L	<0.26	50	50	46.4	47.9	93	96	70-132	3	20						
trans-1,3-Dichloropropene	ug/L	<0.23	50	50	43.1	43.6	86	87	70-130	1	20						
Trichloroethene	ug/L	<0.33	50	50	52.5	53.8	105	108	70-130	2	20						
Trichlorofluoromethane	ug/L	<0.18	50	50	48.2	50.0	96	100	50-153	4	20						
Vinyl chloride	ug/L	<0.18	50	50	43.4	45.0	87	90	60-155	4	20						
4-Bromofluorobenzene (S)	%						101	100	70-130								
Dibromofluoromethane (S)	%						98	99	70-130								
Toluene-d8 (S)	%						99	99	70-130								

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

QC Batch:	OEXT/27908	Analysis Method:	EPA 8270 by SIM
QC Batch Method:	EPA 3546	Analysis Description:	8270/3546 MSSV PAH by SIM
Associated Lab Samples:	40120346001, 40120346002, 40120346003		

METHOD BLANK: 1217561 Matrix: Solid

Associated Lab Samples: 40120346001, 40120346002, 40120346003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	<0.0083	0.017	09/08/15 10:33	
2-Methylnaphthalene	mg/kg	<0.0083	0.017	09/08/15 10:33	
Acenaphthene	mg/kg	<0.0083	0.017	09/08/15 10:33	
Acenaphthylene	mg/kg	<0.0075	0.017	09/08/15 10:33	
Anthracene	mg/kg	<0.0086	0.017	09/08/15 10:33	
Benzo(a)anthracene	mg/kg	<0.0058	0.017	09/08/15 10:33	
Benzo(a)pyrene	mg/kg	<0.0060	0.017	09/08/15 10:33	
Benzo(b)fluoranthene	mg/kg	<0.0083	0.017	09/08/15 10:33	
Benzo(g,h,i)perylene	mg/kg	<0.0063	0.017	09/08/15 10:33	
Benzo(k)fluoranthene	mg/kg	<0.0092	0.017	09/08/15 10:33	
Chrysene	mg/kg	<0.0077	0.017	09/08/15 10:33	
Dibenz(a,h)anthracene	mg/kg	<0.0061	0.017	09/08/15 10:33	
Fluoranthene	mg/kg	<0.0083	0.017	09/08/15 10:33	
Fluorene	mg/kg	<0.0083	0.017	09/08/15 10:33	
Indeno(1,2,3-cd)pyrene	mg/kg	<0.0063	0.017	09/08/15 10:33	
Naphthalene	mg/kg	<0.0083	0.017	09/08/15 10:33	
Phenanthrene	mg/kg	<0.0083	0.017	09/08/15 10:33	
Pyrene	mg/kg	<0.0083	0.017	09/08/15 10:33	
2-Fluorobiphenyl (S)	%	73	39-130	09/08/15 10:33	
Terphenyl-d14 (S)	%	83	37-130	09/08/15 10:33	

LABORATORY CONTROL SAMPLE: 1217562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.23	68	53-130	
2-Methylnaphthalene	mg/kg	.33	0.24	71	52-130	
Acenaphthene	mg/kg	.33	0.25	74	54-130	
Acenaphthylene	mg/kg	.33	0.26	77	55-130	
Anthracene	mg/kg	.33	0.31	93	64-130	
Benzo(a)anthracene	mg/kg	.33	0.27	80	50-130	
Benzo(a)pyrene	mg/kg	.33	0.27	81	46-130	
Benzo(b)fluoranthene	mg/kg	.33	0.29	86	43-130	
Benzo(g,h,i)perylene	mg/kg	.33	0.27	81	48-130	
Benzo(k)fluoranthene	mg/kg	.33	0.25	76	55-130	
Chrysene	mg/kg	.33	0.27	82	62-130	
Dibenz(a,h)anthracene	mg/kg	.33	0.27	82	49-130	
Fluoranthene	mg/kg	.33	0.27	81	57-130	
Fluorene	mg/kg	.33	0.25	76	57-130	
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.28	85	50-130	
Naphthalene	mg/kg	.33	0.22	67	48-130	

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

LABORATORY CONTROL SAMPLE: 1217562

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	mg/kg	.33	0.27	80	51-130	
Pyrene	mg/kg	.33	0.26	79	55-130	
2-Fluorobiphenyl (S)	%			72	39-130	
Terphenyl-d14 (S)	%			79	37-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1217563 1217564

Parameter	Units	40120477003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
1-Methylnaphthalene	mg/kg	<17.6 ug/kg	.35	.35	0.27	0.27	78	76	50-130	2	30	
2-Methylnaphthalene	mg/kg	<17.6 ug/kg	.35	.35	0.29	0.28	81	79	44-130	2	32	
Acenaphthene	mg/kg	<17.6 ug/kg	.35	.35	0.29	0.29	83	81	46-130	2	26	
Acenaphthylene	mg/kg	<17.6 ug/kg	.35	.35	0.30	0.29	86	84	49-130	2	23	
Anthracene	mg/kg	<17.6 ug/kg	.35	.35	0.35	0.35	99	98	52-130	1	28	
Benzo(a)anthracene	mg/kg	<17.6 ug/kg	.35	.35	0.29	0.29	82	81	34-130	2	36	
Benzo(a)pyrene	mg/kg	<17.6 ug/kg	.35	.35	0.31	0.30	86	83	34-130	4	40	
Benzo(b)fluoranthene	mg/kg	<17.6 ug/kg	.35	.35	0.31	0.32	86	89	22-130	4	40	
Benzo(g,h,i)perylene	mg/kg	<17.6 ug/kg	.35	.35	0.21	0.21	60	58	24-130	4	35	
Benzo(k)fluoranthene	mg/kg	<17.6 ug/kg	.35	.35	0.31	0.30	88	83	41-130	6	37	
Chrysene	mg/kg	<17.6 ug/kg	.35	.35	0.31	0.31	87	85	49-130	3	33	
Dibenz(a,h)anthracene	mg/kg	<17.6 ug/kg	.35	.35	0.25	0.24	69	67	27-130	3	31	
Fluoranthene	mg/kg	<17.6 ug/kg	.35	.35	0.30	0.30	83	83	34-130	0	37	
Fluorene	mg/kg	<17.6 ug/kg	.35	.35	0.29	0.29	83	82	45-130	1	25	
Indeno(1,2,3-cd)pyrene	mg/kg	<17.6 ug/kg	.35	.35	0.25	0.24	70	67	30-130	4	34	
Naphthalene	mg/kg	<17.6 ug/kg	.35	.35	0.27	0.26	76	74	38-130	2	30	
Phenanthrene	mg/kg	<17.6 ug/kg	.35	.35	0.31	0.30	86	84	38-130	2	34	
Pyrene	mg/kg	<17.6 ug/kg	.35	.35	0.30	0.29	82	81	35-130	1	35	
2-Fluorobiphenyl (S)	%						79	77	39-130			
Terphenyl-d14 (S)	%						79	77	37-130			

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

QC Batch:	OEXT/27860	Analysis Method:	EPA 8270 by HVI
QC Batch Method:	EPA 3510	Analysis Description:	8270 Water PAH by HVI
Associated Lab Samples: 40120346004			

METHOD BLANK: 1214492 Matrix: Water

Associated Lab Samples: 40120346004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	<0.0031	0.050	09/02/15 13:13	
2-Methylnaphthalene	ug/L	<0.0028	0.050	09/02/15 13:13	
Acenaphthene	ug/L	<0.0050	0.050	09/02/15 13:13	
Acenaphthylene	ug/L	<0.0049	0.050	09/02/15 13:13	
Anthracene	ug/L	<0.0040	0.050	09/02/15 13:13	
Benzo(a)anthracene	ug/L	<0.0051	0.050	09/02/15 13:13	
Benzo(a)pyrene	ug/L	<0.0044	0.050	09/02/15 13:13	
Benzo(b)fluoranthene	ug/L	<0.0053	0.050	09/02/15 13:13	
Benzo(g,h,i)perylene	ug/L	0.0047J	0.050	09/02/15 13:13	
Benzo(k)fluoranthene	ug/L	<0.0056	0.050	09/02/15 13:13	
Chrysene	ug/L	<0.0042	0.050	09/02/15 13:13	
Dibenz(a,h)anthracene	ug/L	<0.0056	0.050	09/02/15 13:13	
Fluoranthene	ug/L	<0.0094	0.050	09/02/15 13:13	
Fluorene	ug/L	0.0047J	0.050	09/02/15 13:13	
Indeno(1,2,3-cd)pyrene	ug/L	0.0042J	0.050	09/02/15 13:13	
Naphthalene	ug/L	<0.0045	0.050	09/02/15 13:13	
Phenanthrene	ug/L	0.012J	0.050	09/02/15 13:13	
Pyrene	ug/L	<0.0077	0.050	09/02/15 13:13	
2-Fluorobiphenyl (S)	%	58	40-130	09/02/15 13:13	
Terphenyl-d14 (S)	%	94	26-135	09/02/15 13:13	

METHOD BLANK: 1214495 Matrix: Water

Associated Lab Samples: 40120346004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.033J	0.050	09/02/15 13:50	
2-Methylnaphthalene	ug/L	0.036J	0.050	09/02/15 13:50	
Acenaphthene	ug/L	0.015J	0.050	09/02/15 13:50	
Acenaphthylene	ug/L	<0.0049	0.050	09/02/15 13:50	
Anthracene	ug/L	<0.0040	0.050	09/02/15 13:50	
Benzo(a)anthracene	ug/L	<0.0051	0.050	09/02/15 13:50	
Benzo(a)pyrene	ug/L	<0.0044	0.050	09/02/15 13:50	
Benzo(b)fluoranthene	ug/L	<0.0053	0.050	09/02/15 13:50	
Benzo(g,h,i)perylene	ug/L	0.0047J	0.050	09/02/15 13:50	
Benzo(k)fluoranthene	ug/L	<0.0056	0.050	09/02/15 13:50	
Chrysene	ug/L	<0.0042	0.050	09/02/15 13:50	
Dibenz(a,h)anthracene	ug/L	<0.0056	0.050	09/02/15 13:50	
Fluoranthene	ug/L	<0.0094	0.050	09/02/15 13:50	
Fluorene	ug/L	0.026J	0.050	09/02/15 13:50	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

METHOD BLANK: 1214495

Matrix: Water

Associated Lab Samples: 40120346004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Indeno(1,2,3-cd)pyrene	ug/L	0.0054J	0.050	09/02/15 13:50	
Naphthalene	ug/L	0.017J	0.050	09/02/15 13:50	
Phenanthrene	ug/L	0.062	0.050	09/02/15 13:50	
Pyrene	ug/L	<0.0077	0.050	09/02/15 13:50	
2-Fluorobiphenyl (S)	%	69	40-130	09/02/15 13:50	
Terphenyl-d14 (S)	%	98	26-135	09/02/15 13:50	

LABORATORY CONTROL SAMPLE: 1214493

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	2	1.0	52	46-130	
2-Methylnaphthalene	ug/L	2	1.1	54	47-130	
Acenaphthene	ug/L	2	1.1	57	49-130	
Acenaphthylene	ug/L	2	1.3	64	44-130	
Anthracene	ug/L	2	1.4	72	53-130	
Benzo(a)anthracene	ug/L	2	1.8	90	49-130	
Benzo(a)pyrene	ug/L	2	1.9	94	47-130	
Benzo(b)fluoranthene	ug/L	2	1.7	85	54-133	
Benzo(g,h,i)perylene	ug/L	2	1.4	68	33-132	
Benzo(k)fluoranthene	ug/L	2	1.8	89	59-143	
Chrysene	ug/L	2	1.9	94	70-157	
Dibenz(a,h)anthracene	ug/L	2	1.2	62	24-130	
Fluoranthene	ug/L	2	1.8	92	59-130	
Fluorene	ug/L	2	1.2	62	49-130	
Indeno(1,2,3-cd)pyrene	ug/L	2	1.7	84	52-130	
Naphthalene	ug/L	2	1.0	52	45-130	
Phenanthrene	ug/L	2	1.5	75	60-130	
Pyrene	ug/L	2	1.8	91	64-147	
2-Fluorobiphenyl (S)	%			58	40-130	
Terphenyl-d14 (S)	%			95	26-135	

MATRIX SPIKE SAMPLE: 1214496

Parameter	Units	40120354016 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	135	2	150	767	27-130	M6
2-Methylnaphthalene	ug/L	247	2	271	1190	33-130	M6
Acenaphthene	ug/L	<2.5	2	2.2J	78	32-130	
Acenaphthylene	ug/L	<2.5	2	2.0J	69	34-130	
Anthracene	ug/L	<2.5	2	1.3J	48	31-130	
Benzo(a)anthracene	ug/L	<2.5	2	1.5J	75	35-135	
Benzo(a)pyrene	ug/L	<2.5	2	0.98J	45	21-139	
Benzo(b)fluoranthene	ug/L	<2.5	2	1.1J	46	26-144	

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

MATRIX SPIKE SAMPLE:	1214496						
Parameter	Units	40120354016	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzo(g,h,i)perylene	ug/L	<2.5	2	1.2J	56	10-142	
Benzo(k)fluoranthene	ug/L	<2.5	2	1.0J	48	21-155	
Chrysene	ug/L	<2.5	2	1.5J	61	46-157	
Dibenz(a,h)anthracene	ug/L	<2.5	2	0.93J	46	10-143	
Fluoranthene	ug/L	<2.5	2	2.2J	79	35-138	
Fluorene	ug/L	<2.5	2	2.8	88	28-130	
Indeno(1,2,3-cd)pyrene	ug/L	<2.5	2	1.1J	50	16-139	
Naphthalene	ug/L	440	2	438	-92	35-130 M6	
Phenanthrene	ug/L	<2.5	2	4.8	128	41-131	
Pyrene	ug/L	<2.5	2	2.3J	81	50-151	
2-Fluorobiphenyl (S)	%				59	40-130	
Terphenyl-d14 (S)	%				34	26-135	

MATRIX SPIKE SAMPLE:	1214498						
Parameter	Units	40119510017	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	0.0078J	2	1.3	64	27-130 H3	
2-Methylnaphthalene	ug/L	0.0070J	2	1.4	68	33-130 H3	
Acenaphthene	ug/L	0.0068J	2	1.4	71	32-130 H3	
Acenaphthylene	ug/L	<0.0049	2	1.5	76	34-130 H3	
Anthracene	ug/L	0.0097J	2	1.6	80	31-130 H3	
Benzo(a)anthracene	ug/L	<0.0051	2	1.6	81	35-135 H3	
Benzo(a)pyrene	ug/L	<0.0044	2	1.5	73	21-139 H3	
Benzo(b)fluoranthene	ug/L	<0.0053	2	1.3	63	26-144 H3	
Benzo(g,h,i)perylene	ug/L	0.0038J	2	1.1	53	10-142 H3	
Benzo(k)fluoranthene	ug/L	<0.0056	2	1.5	73	21-155 H3	
Chrysene	ug/L	0.0053J	2	1.8	92	46-157 H3	
Dibenz(a,h)anthracene	ug/L	<0.0056	2	1.1	57	10-143 H3	
Fluoranthene	ug/L	0.010J	2	1.8	91	35-138 H3	
Fluorene	ug/L	0.0050J	2	1.6	79	28-130 H3	
Indeno(1,2,3-cd)pyrene	ug/L	<0.0036	2	1.1	56	16-139 H3	
Naphthalene	ug/L	0.012J	2	1.3	62	35-130 H3	
Phenanthrene	ug/L	0.021J	2	1.8	91	41-131 H3	
Pyrene	ug/L	0.012J	2	1.9	93	50-151 H3	
2-Fluorobiphenyl (S)	%				67	40-130	
Terphenyl-d14 (S)	%				78	26-135	

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QUALITY CONTROL DATA

Project: 2505019 300 BARCLAY

Pace Project No.: 40120346

QC Batch: PMST/11707 Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 40120346001, 40120346002, 40120346003

SAMPLE DUPLICATE: 1213627

Parameter	Units	Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	22.8	23.9	5	10	

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QUALIFIERS

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above LOD.

J - Estimated concentration at or above the LOD and below the LOQ.

LOD - Limit of Detection adjusted for dilution factor and percent moisture.

LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

- 1q There was a possible matrix effect on the recovery of the surrogate, the sample could not be re-extracted within hold time.
- B Analyte was detected in the associated method blank.
- H3 Sample was received or analysis requested beyond the recognized method holding time.
- HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
- M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
- S0 Surrogate recovery outside laboratory control limits.
- W Non-detect results are reported on a wet weight basis.
- pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 2505019 300 BARCLAY
Pace Project No.: 40120346

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40120346004	TW-2	EPA 6010	ICP/11108		
40120346004	TW-2	EPA 7470	MERP/5180	EPA 7470	MERC/7136
40120346001	GP-1, 3-5	EPA 3546	OEXT/27908	EPA 8270 by SIM	MSSV/8249
40120346002	GP-2, 2-4	EPA 3546	OEXT/27908	EPA 8270 by SIM	MSSV/8249
40120346003	GP-2, 6-8	EPA 3546	OEXT/27908	EPA 8270 by SIM	MSSV/8249
40120346004	TW-2	EPA 3510	OEXT/27860	EPA 8270 by HVI	MSSV/8238
40120346001	GP-1, 3-5	EPA 5035/5030B	MSV/29994	EPA 8260	MSV/29997
40120346002	GP-2, 2-4	EPA 5035/5030B	MSV/29994	EPA 8260	MSV/29997
40120346003	GP-2, 6-8	EPA 5035/5030B	MSV/29994	EPA 8260	MSV/29997
40120346004	TW-2	EPA 8260	MSV/29985		
40120346005	TRIP BLANK	EPA 8260	MSV/29985		
40120346001	GP-1, 3-5	ASTM D2974-87	PMST/11707		
40120346002	GP-2, 2-4	ASTM D2974-87	PMST/11707		
40120346003	GP-2, 6-8	ASTM D2974-87	PMST/11707		

REPORT OF LABORATORY ANALYSIS

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(Please Print Clearly)

Company Name:

Key Engineering

Branch/Location:

Mike

Project Contact:

Jason Kruchko

Phone:

414-224-8300

Project Number:

2505019

Project Name:

300 Beccay

Project State:

WI

Sampled By (Print):

Jason Kruchko

Sampled By (Sign):

Jason Kruchko

PO #:

1000

Data Package Options

EPA Level III
 EPA Level IV

(Billable)

On your sample
 NOT needed on
your sample

(Billable)

MS/MSD
 Matrix Codes

Program:

Regulatory

Program:

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

PaceAnalytical™

Project #:

WO# : 40120346



40120346

Client Name: Key EngineeringCourier: FedEx UPS Client Pace Other: CS logistics

Tracking #:

Custody Seal on Cooler/Box Present: Yes No Seals intact: Yes NoCustody Seal on Samples Present: Yes No Seals intact: Yes NoPacking Material: Bubble Wrap Bubble Bags None OtherThermometer Used N/AType of Ice: Wet Blue Dry None Samples on ice, cooling process has begunCooler Temperature Uncorr: 20.5 /Corr:Biological Tissue is Frozen: YesTemp Blank Present: Yes No No

Temp should be above freezing to 6°C for all sample except Biota.

Frozen Biota Samples should be received ≤ 0°C.

Comments:

Person examining contents:

Date: 8/29/15Initials: CP

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: - VOA Samples frozen upon receipt	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date/Time:
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: -Pace Containers Used: -Pace IR Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12. <i>no time on any samples</i> <i>CP 8/29/15</i>
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	13. <i>HNO3 H2SO4 NaOH NaOH +ZnAct</i>
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO ₃ , H ₂ SO ₄ ≥2; NaOH+ZnAct ≥9, NaOH ≥12)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: <i>VOA</i> coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Initial when completed <u>CP</u> Lab Std #/ID of preservative Date/ Time:
Headspace in VOA Vials (>6mm):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14. <i>004 (2) EM 8/29/15</i>
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): <u>42015-3CC L</u>		

Client Notification/ Resolution:

If checked, see attached form for additional comments

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: THURSTONDate: 8/29/15